MAGYAR TUDOMÁNYOS AKADÉMIA
GEODÉZIAI ÉS GEOFIZIKAI KUTATÓ INTÉZET

MIKROSZEIZMIKUS JELENTÉS 1977

Microseismic bulletin of Hungary

Processed by: J. SZABÓ
Z. KOSZTYU

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PHASES

Pg, Sg	direct waves in the upper crust
P*, S*	waves refracted on the Conrad surface
Pn, Sn	waves refracted on the Mohorovicic surface
P, S	direct waves in the mantle
pP, sP, pS, sS	waves reflected at the surface near the focus
PP, PS, SP, SS	waves reflected once at the surface
PcP, PcS, ScP, ScS	waves reflected at the core boundary
PPP, PPS, SPP, SSP, SSS...	waves reflected twice at the surface
PKP, PKS, SkP, SKS	waves passing through the outer core
pPKP, sPKP, sSKS...	PKP... waves reflected at the surface near the focus
/A, /F, /D...	different branches of the PKP, SKS, pPKP, sSKS... waves
L	surface waves

EXPLANATION OF SIGNS

e	poorly distinguishable beginning of a phase
i	impulsive beginning of a phase
Mb	body-wave magnitude (NEIC)
Ms	surface-wave magnitude (NEIC)
M (in Remark)	magnitude given by CSEM
M (in Phase)	maximum amplitude of surface-wave group
m	maximum amplitude of longitudinal wave group
F	end of the surface-wave group
+	compression
-	dilatation
TO	origin time
h	depth of focus (km)
Dist.	epicentral distance (degree)
t_1	free period of the seismometer
t_2	free period of the galvanometer

D_1 damping constant of the seismometer

D_2 damping constant of the galvanometer

σ^2 coupling coefficient

$\overline{V}$ static magnification

STATIONS

Station	Latitude	Longitude	Altitude	Foundation
Budapest (BUD)	47° 29' 01''	19° 01' 26''	199	dolomite
Jósvafő (JOS)	48° 29' 44.8''	20° 32' 21.7''	280	dolomite
Sopron (SOP)	47° 41' 00''	16° 33' 30''	260	gneiss

INSTRUMENTS

Sign	Seismometer	Period	Recording
MK	Modified Kirnos	short	galvanometer
C	CBK-M-3	short	galvanometer
K	Kirnos	middle	galvanometer
K2	Kirnos	middle	galvanometer
UT	Ullmann-Teupser	long	galvanometer

Parameters of seismographs

No.	Stat.	Inst	Com	t_1	t_2	D_1	D_2	σ^2	$\bar{V}$	from	to
1.	BUD	MK	Z	1.19	0.068 0.21*	0.7970	7.1215 7.033*	0.0744	59190	01 01	31 12
2.		K	N-S	12.5	1.20	0.45	5.0	0.0384	1000		
3.			E-W	12.5	1.25	0.45	5.0	0.0242	1000	01 01	19 04
4.			Z	12.5	1.25	0.45	5.0	0.2470	580		
5.			N-S	12.5	1.25	0.45	5.0	0.0352	1000		
6.			E-W	12.5	1.25	0.45	5.0	0.0324	1000	19 04	31 12
7.			Z	12.5	1.25	0.45	5.0	0.2367	700		
8.		K2	N-S	12.5	1.10	0.45	5.0	0.0020	200		
9.			E-W	12.5	1.14	0.45	5.0	0.0021	200	01 01	19 04
10.			Z	11.1	1.10	0.45	5.0	0.0280	200		
11.			N-S	12.5	1.10	0.45	5.0	0.0021	200		
12.			E-W	12.5	1.10	0.45	5.0	0.0022	200	19 04	31 12
13.			Z	10.0	1.00	0.45	5.0	0.0256	200		
14.		UT	Z	25.0	80.30	1.00	0.70	0.0271	570	01 01	31 12
15.	JOS		Z	1.2	0.4	1.5280	0.7440	0.2664	150650	01 09	31 12
16.	SOP	MK	Z	1.2	0.4	0.5270	1.3820	0.0369	40000	01 01	31 12
17.		K	N-S	12.5	1.2	0.45	5.0	0.0376	1000		
18.			E-W	12.5	1.2	0.45	5.0	0.0408	1000	01 01	31 12
19.			Z	10.7	1.2	0.45	4.92	0.2247	580		

* filtering galvanometer

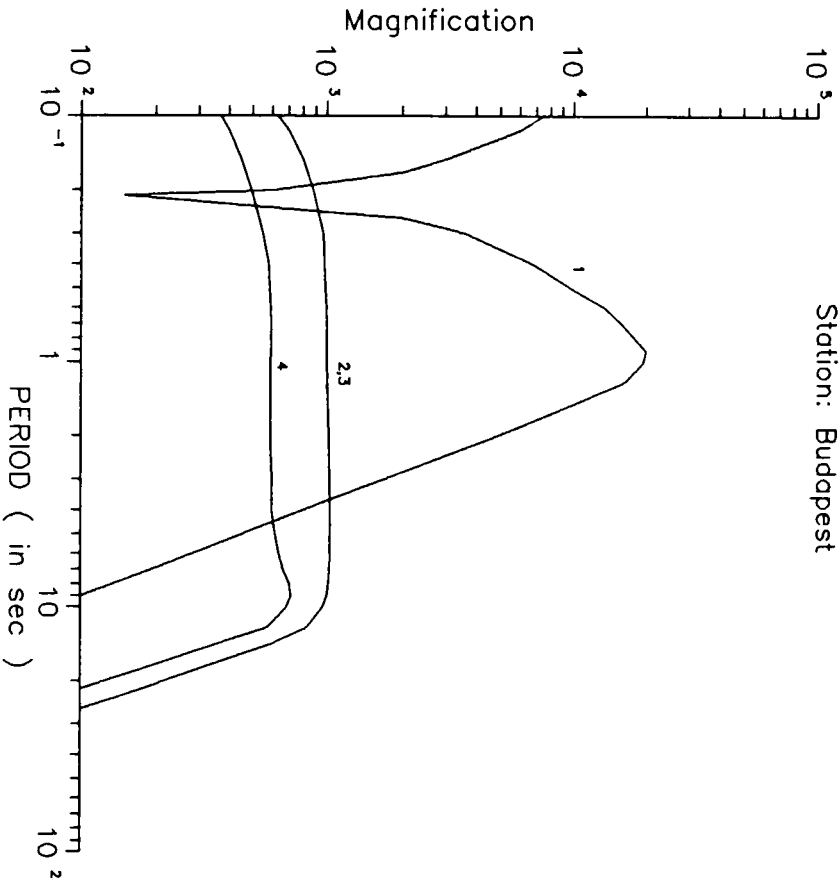
Station: Budapest
Magnification
10 5
10 4
10 3
10 2
10 -1
1
10
10 2
PERIOD (in sec)
1
2,3
4

Fig. 1.

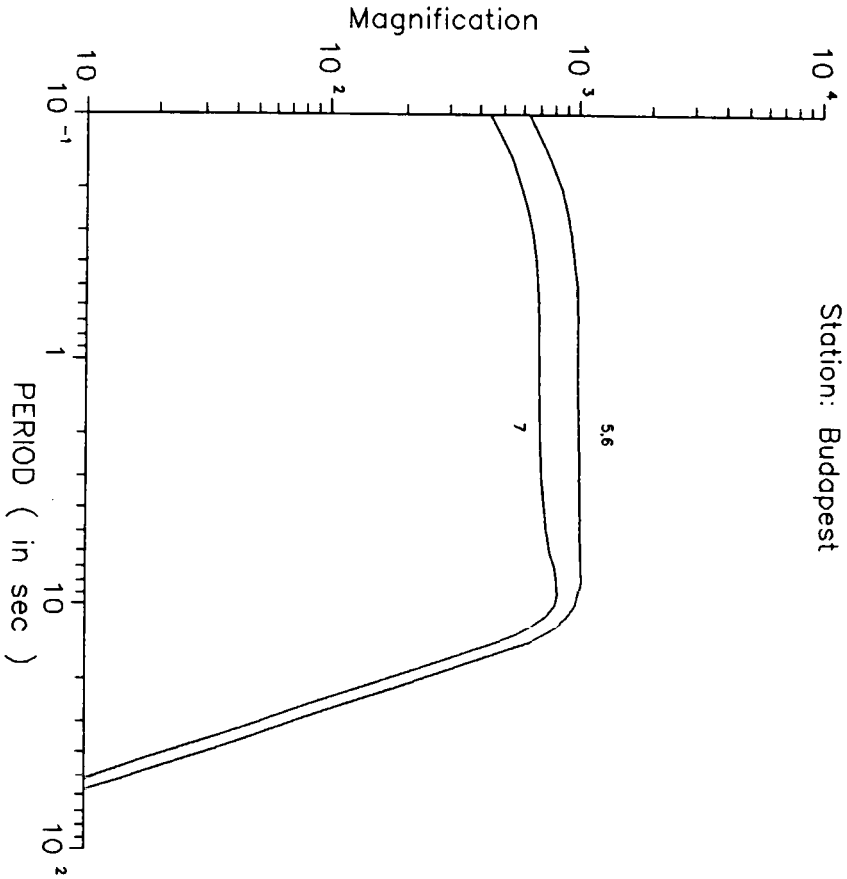
Station: Budapest
Magnification
10 4
10 3
10 2
10
10 -1
5.6
7
1
10
10 2
PERIOD (in sec)

Fig. 2

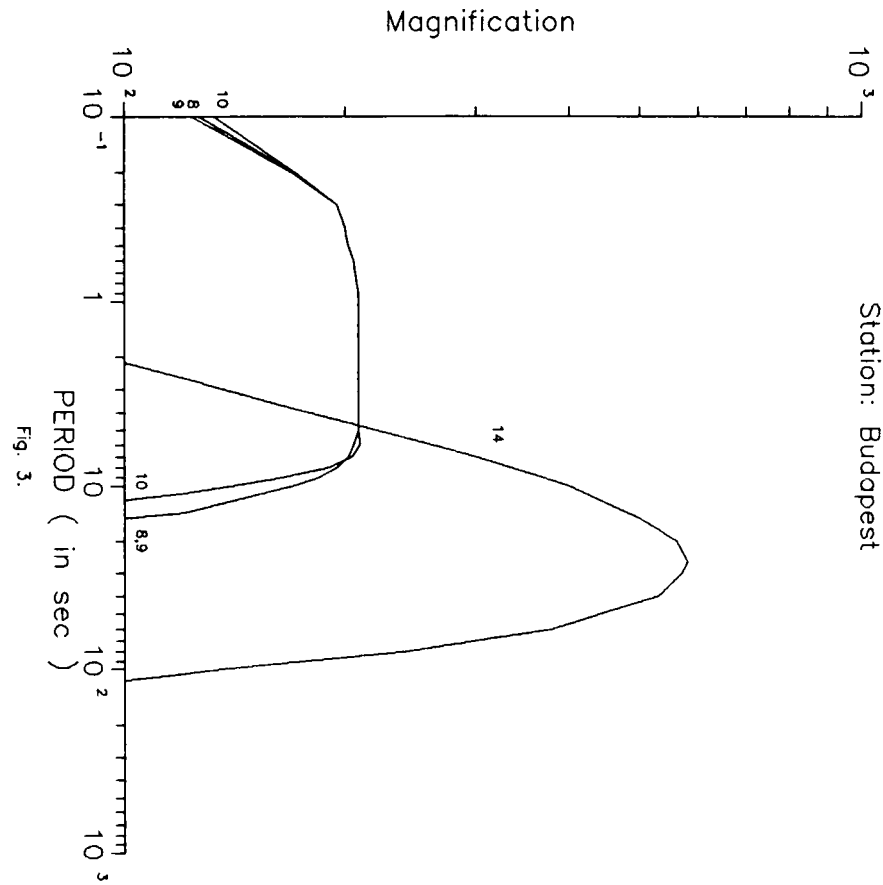

Fig. 3.

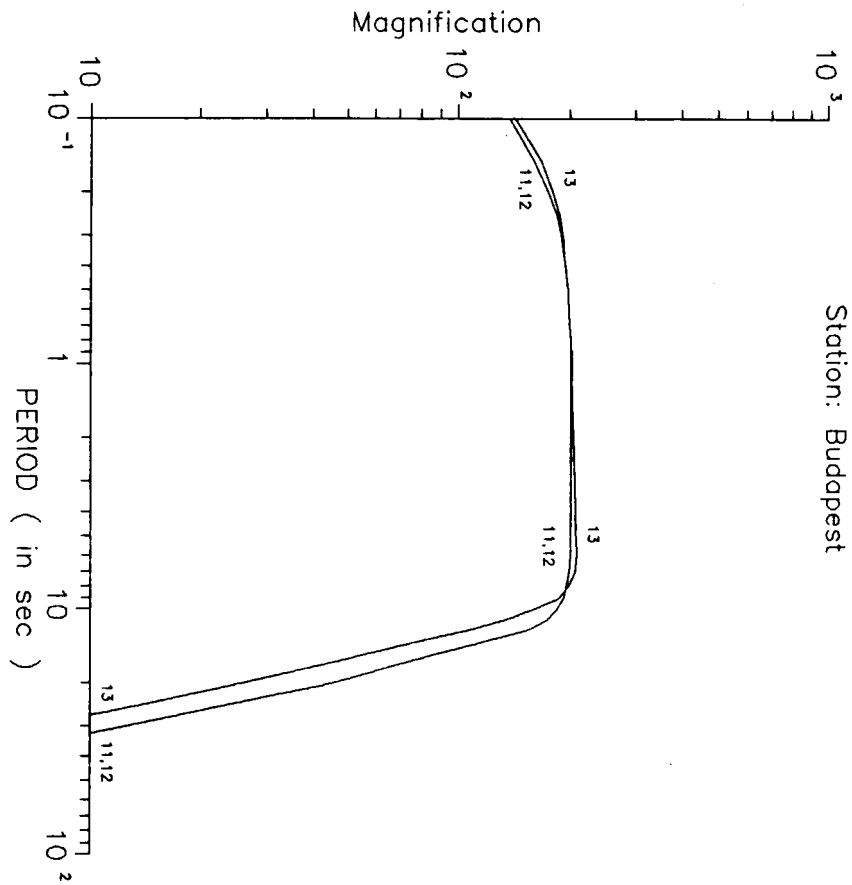
Magnification
10 3
10 2
10
10 -1
Station: Budapest
13
11,12
13
11,12
13
11,12
1
10
10 2
PERIOD (in sec)

Fig. 4.

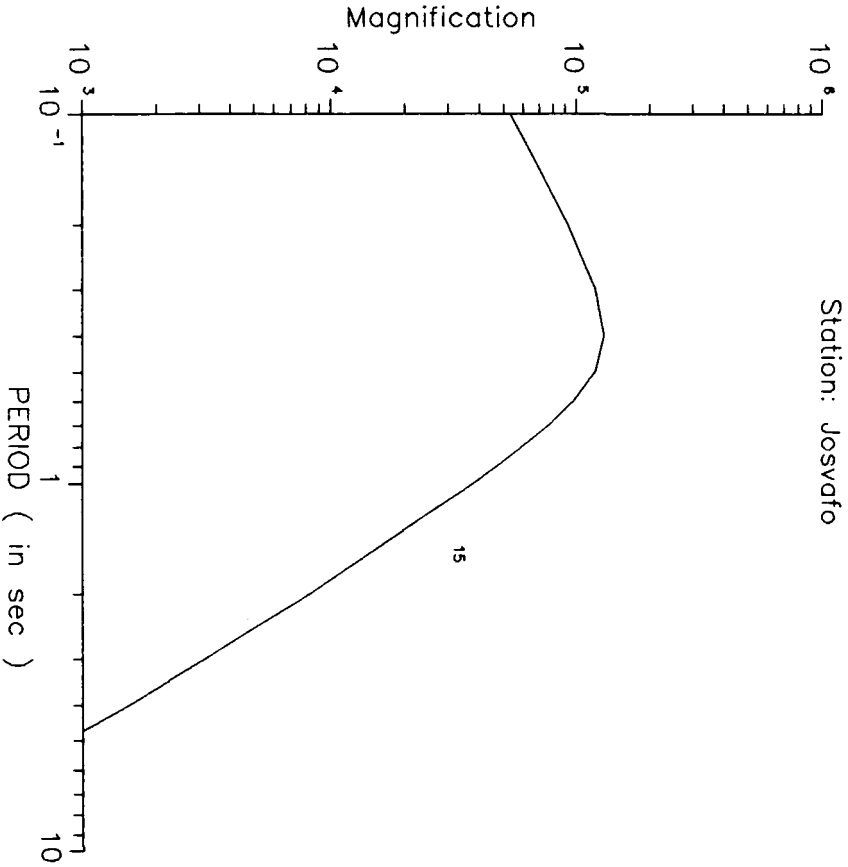
Station: Josvafo
Magnification
10 6
10 5
10 4
10 3
10 -1
1
10
PERIOD (in sec)
15

Fig. 5.

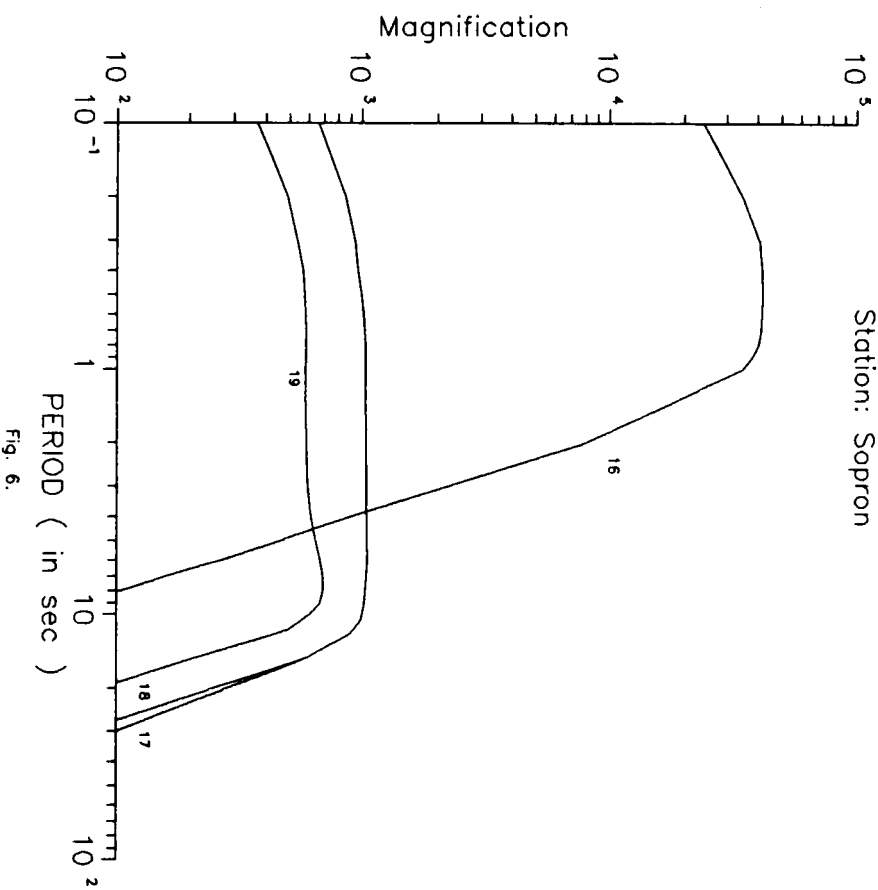
Station: Sopron
Magnification
10^5
10^4
10^3
10^2
10^{-1}
1
10
10^2
PERIOD (in sec)
16
19
18
17

Fig. 6.

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
1.	01 01	SOP MK Z	eP	06 36 18				84.13	28.13N 130.65E
			epP	34					T0=06 23 45.1
			esP	57					h= 33
									Mb=5.1
2.	01 01	SOP MK Z	Pn	17 09 56				2.81	46.61N 12.75E
			P*	58					T0=17 09 11.9
			Pg	10 04					h= 33
			i	18					
			Sn	22					
			eS*	37					
			iSg	43					
3.	01 01	BUD K N	eP	19 15 52				103.68	2.53S 126.58E
			i	17 49					T0=19 01 39.6
			S	27 19					h= 33
			SKS/D	44					Mb=6.0 Ms=6.1
			iSPP	30 35					
			eL	34 55					
			F	20 49 19					
		BUD K E	PP	19 20 19					
			i	21 31					
		BUD MK Z	i	19 16 11				103.68	
			ePP	19 06					
			ePPP	21 22					
		BUD K2 N	eL	19 38 30				103.68	
		BUD K2 E	ePP	19 19 48					
			ePPP	21 30					
			eL	38 45					
		BUD K2 Z	ePPP	19 21 30					
			SPP	30 03					
		BUD UT Z	ePP	19 20 02				103.68	
			e	22 40					
			PS	29 05					
			SPP	50					
			PPS	30 25					
			eL	40 35					
			F	20 37 56					
		SOP MK Z	P	19 15 55	1.1	0.01	+	105.27	
			i	20 18					
			PP	22 27					
4.	01 01	BUD K N	iP	21 48 52.0				51.87	38.14N 91.00E
			pP	55					T0=21 39 41.3
			isP	49 10					h= 27
			i	21					Mb=5.9 Ms=6.3
			PP	52					
			esS	56 21					
			iSSP	30					
			eL	22 05 13					
			M	10 40	14.2	15.36			
			F	23 13 57					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	iP	21 48 52.0					
			isP	49 10					
			iPcP	50 04					
			iPPP	51 52					
			eS	55 48					
			eL	22 07 42					
			M	10 40	7.6	6.99			
			F	50 32					
		BUD MK Z	P	21 48 51			-	51.87	
			i	52					
			ipP	49 05					
			sP	10					
			PcP	50 02					
			PP	51 03					
			PPP	52 12					
		BUD K2 N	P	21 48 55				51.87	
			sS	56 25					
			SS	22 00 01					
			SSS	01 06					
			eL	07 08					
			M	12 52	11.8	6.28			
			F	42 50					
		BUD K2 E	P	21 48 55					
			sP	49 24					
			PcP	50 04					
			ePP	47					
			ePPP	51 48					
			eS	55 50					
			SS	22 00 01					
			eL	06 34					
			M	13 13	12.0	7.86			
			F	54 34					
		BUD K2 Z	P	21 48 55			+		
			eL	22 09 08					
			F	41 51					
		BUD UT Z	P	21 48 53				51.87	
			ePcP	49 38					
			ePP	50 37					
			PPP	52 09					
			eL	22 08 25					
			M	13 06	14.2	3.84			
			F	45 52					
		SOP MK Z	P	21 49 01			+	53.39	
			i	03					
			ipP	13					
			sP	21					
			iPcP	50					
			PP	51					
			PPP	51 55					
		SOP K Z	P	21 49 02				53.39	
			ipP	13					
			isP	27					
			PcP	50 54					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	51 47					
			PPP	52 24					
			sS	56 31					
			e	57 11					
			SS	22 00 58					
			eL	07 15					
			M	13 55					
			F	23 15 04					
5.	01 01	BUD K N	esP	22 31 15				19.54	39.19N 43.45E
			PP	35					T0=22 26 40.6
									h= 24
									Mb=5.0
		BUD K N	esP	22 31 15				19.54	
			PP	35					
		BUD K E	P	22 31 11					
			ePPP	44					
		BUD MK Z	P	22 31 10	2.0	0.14	+	19.54	
			sP	16					
			PP	26					
			PPP	47					
		BUD K2 E	eP	22 31 11				19.54	
			ePPP	43					
		SOP MK Z	P	22 31 26	1.8	0.08		21.21	
			ipP	32					
			sP	35					
			i	49					
			PP	56					
			PPP	32 26					
6.	01 01	BUD MK Z	PKP2/A	23 45 20			-	165.89	56.15S 142.92W
			epPKP/A	35					T0=23 24 16.6
									h= 33
									Mb=5.4
7.	01 02	BUD K N	PPP	10 15 39				104.14	10.17S 118.98E
			SKS/A	19 22					T0=09 55 28.4
			SP	22 40					h= 19
			SPP	24 04					Mb=5.8 Ms=6.3
			iSS	27 18					
			iSSS	32 44					
			eL	35 47					
			M	11 02 12	17.6	3.40			
			F	12 12 20					
		BUD MK Z	ePP	10 12 55				104.14	
			i	14 10					
			ePPP	15 20					
		BUD K2 N	ePPP	10 15 46				104.14	
			eS	20 28					
			ePS	22 41					
			eL	55 20					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	11 28 32					
		BUD K2 E	e	10 17 26					
			SKS/D	20 19					
			eL	11 00 33					
			F	33 50					
		BUD K2 Z	eL	11 02 09					
			F	21 52					
		BUD UT Z	eS	10 20 38				104.14	
			eSP	22 29					
			ePS	23 04					
			SPP	24 04					
			SSS	33 11					
			eL	55 28					
			F	11 39 54					
8.	01 02	BUD MK Z	P	19 41 55	1.3	0.01	+	19.59	39.34N 43.65E
			sP	42 00					T0=19 37 29.1
			ePP	26					h= 40
			ePPP	38					M=5.1
									CSEM
9.	01 03	BUD MK Z	eP	06 25 15				53.74	6.69N 60.29E
									T0=06 15 50.0
									h= 33
									Mb=5.0
10.	01 04	BUD MK Z	P	16 15 31	1.0	0.03	-	26.13	33.09N 47.92E
			esP	54					T0=16 09 58.5
			ePP	16 08					h= 45
			ePPP	49					Mb=5.1
		SOP MK Z	iP	16 15 45.7	1.1	0,03	+	27.76	
			pP	56					
			sP	16 21					
			PP	25					
			PPP	34					
		SOP K Z	iP	16 15 47.7				27.76	
			i	49					
			ipP	58					
11.	01 05	BUD MK Z	iP	05 51 34.2	1.7	0.37	+	35.28	27.38N 56.26E
			ipP	44					T0=05 44 39.1
			isP	57					h= 10
			i	52 05					M=5.8
			PP	52					CSEM
			iPPP	53 12					
			PcP	54 07					
		BUD K2 E	P	05 51 34				35.28	
			esP	52 03					
			PP	53 06					
			PcP	54 21					
		BUD K2 Z	P	05 51 34					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			epP	44					
		SOP MK Z	iP	05 51 47.4	1.8	0.32	+	36.91	
			i	49					
			ipP	52 03					
			isP	07					
			ePP	53 00					
			ePPP	34					
			ePcP	54 00					
		SOP K Z	iP	05 51 47.4				36.91	
			ipP	57					
			isP	52 03					
			PP	53 19					
			PPP	37					
12.	01 05	BUD K N	PKP/F	13 48 39				149.91	20.81S 178.31W
			PKP2/A	52					T0=13 29 48.1
			i	49 04					h=575
									Mb=5.2
		BUD MK Z	iPKP/F	13 48 35.0	1.3	0.15	-	149.91	
			iPKP2/A	52					
			pPKP/F	51 05					
			epPKP/A	14					
		BUD K2 E	ePKP/F	13 48 20				149.91	
		SOP MK Z	PKP/F	13 48 31				150.62	
			i	37					
			PKP2/A	49 00					
			pPKP/F	50 54					
		SOP K Z	PKP/F	13 48 37				150.62	
			PKP2/A	47					
13.	01 05	SOP MK Z	eP	14 21 22				64.18	25.43N 95.17E
			epP	43					T0=14 10 56.5
			esP	22 15					h=104
									Mb=4.8
14.	01 06	SOP MK Z	iPKP/F	04 28 56.5	1.1	0.04	-	147.86	17.94S 178.53W
			PKP2/A	29 02					T0=04 10 17.8
									h=621
									Mb=4.6
15.	01 06	BUD K N	i	06 31 36				116.00	3.63S 144.44E
			PP	52					T0=06 11 40.7
			iSKS/A	37 08					h= 33
			iPS	41 07					Mb=6.0 Ms=6.6
			iPPS	42 23					
			eL	07 10 22					
			M	13 23					
			F	08 47 54					
		BUD MK Z	ePKP	06 30 26				116.00	
			pPKP	30					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	31 40					
			ePPP	34 26					
		BUD K2 N	SKS/D	06 37 38				116.00	
			iPS	41 10					
			eL	07 10 23					
			F	08 13 49					
		BUD K2 E	epPKP	06 38 44					
			PP	31 41					
			PPP	34 16					
			SKS/A	37 07					
			SKS/D	38					
			PPS	42 11					
			eL	07 10 10					
			M	21 07	20.4	38.63			
			F	08 10 39					
		BUD K2 Z	PP	06 31 41					
			SKS/D	37 38					
			esSKS/D	38 10					
			eL	07 19 36					
			F	08 13 27					
		BUD UT Z	PKP	06 30 33				116.00	
			PP	31 37					
			i	33 35					
			PPP	34 12					
			i	39 10					
			PPS	42 23					
			SSP	48 10					
			eL	07 07 37					
			M	22 35	19.0	16.63			
			F	09 21 29					
16.	01 06	BUD MK Z	P	08 07 46	1.0	0.05	+	76.54	49.26N 155.54E
			epP	08 05					T0=07 55 57.5
			PcP	08					h= 33
			isP	12					Mb=5.4
			i	09 12					
		BUD K2 E	eP	08 07 45				76.54	
			esP	08 10					
		SOP MK Z	iP	08 07 53.6	1.8	0.20	+	77.11	
			pP	08 05					
			PcP	16					
			isP	24					
			i	33					
		SOP K Z	iP	08 07 48.6				77.11	
			ipP	55					
			isP	08 17					
			e	09 16					
			F	09 58 51					
17.	01 06	SOP MK Z	P	16 14 20	1.0	0.02	-	80.68	51.47N 175.47W
			pP	34					T0=16 02 07.6
			sP	42					h= 38
									Mb=5.2

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
18.	01 06	SOP MK Z	iP	18 42 47.9	1.2	0.05	-	51.09	2.50S 20.70E
			i	53					T0=18 33 43.5
			pP	55					h= 21
			esP	43 20					Mb=5.3
			ePP	44 40					
19.	01 06	SOP MK Z	P	21 59 44	1.0	0.03	+	55.78	31.04N 88.05E
			pP	22 00 00					T0=21 50 08.1
									h= 33
									Mb=5.2
20.	01 07	SOP MK Z	e	12 29 40					
			i	55					
			i	30 02					
21.	01 07	SOP MK Z	eP	14 50 47				83.04	31.28S 13.24W
			pP	51 01					T0=14 38 22.4
			esP	13					h= 33
									Mb=5.3
22.	01 07	SOP MK Z	epPKP/F	17 34 55				155.12	25.18S 176.95W
			PKP2/A	35 01					T0=17 14 47.3
			sPKP/F	03					h= 76
			epPKP/A	20					Mb=5.0
23.	01 07	SOP MK Z	iP	19 49 13.4	1.8	0.17	-	83.38	21.17N 120.27E
			esP	34					T0=19 36 46.9
									h= 33
									Mb=5.7
		SOP K Z	iP	19 49 14.4				83.38	
			pP	20					
			e	20 20 20					
			eL	31 00					
			F	43 47					
24.	01 07	SOP MK Z	P	21 44 01				85.54	18.73N 120.80E
			esP	23					T0=21 31 27.3
									h= 52
									Mb=4.9
25.	01 08	SOP MK Z	iPKP/F	21 56 53.5	1.6	0.08	+	147.03	22.24S 170.34E
			ipPKP/F	57 04					T0=21 37 16.0
			epPKP/A	37					h= 58
									Mb=5.1
		SOP K Z	pPKP/A	21 57 05				147.03	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	59 35					
26.	01 09	SOP MK Z	iP	09 38 05.1	1.6	0.06	-	69.81	16.76S 14.19W
			i	10					T0=09 26 54.3
			pP	16					h= 33
			sP	29					Mb=5.3
			PcP	40					
		SOP K Z	iP	09 38 06.1				69.81	
			PcP	27					
27.	01 09	BUD K N	Pn	14 27 50				4.22	46.28N 13.12E
			i	28 19					T0=14 26 29.6
			iS$	51					h= 10
			iSg	29 02					M=4.5
			eL	11					CSEM
			M	47	4.6	1.02			
			F	33 29					
		BUD K2 E	ePg	14 27 53				4.22	
			Sn	28 19					
			Sg	48					
		BUD UT Z	eSg	14 29 06				4.22	
		SOP MK Z	iPn	14 27 13.8			+	2.74	
			iP$	18					
			i	19					
			iPg	21					
			iSn	47					
			iS$	55					
			iSg	28 04					
		SOP K Z	iPn	14 27 21.3				2.74	
			iPg	40					
			iSn	55					
			iSg	28 17					
			F	32 02					
28.	01 10	SOP MK Z	iPKP/F	09 50 30.7			-	150.20	20.71S 179.24W
			i	34					T0=09 31 49.6
			iPKP2/A	41					h=653
			pPKP/F	53 06					Mb=5.5
			epPKP/A	22					
		SOP K Z	iPKP/F	09 50 29.7				150.20	
29.	01 10	SOP MK Z	ePKP2/A	23 04 07				158.14	28.40S 176.73W
			epPKP/A	21					T0=22 43 43.0
									h= 33
									Mb=4.6
30.	01 10	SOP MK Z	iPKP/F	23 37 45.9	2.0	0.37	+	145.55	21.49S 168.66E
			iPKP2/A	52					T0=23 18 07.0
			ipPKP/A	38 04					h= 16
			i	50					Mb=5.2
		SOP K Z	iPKP2/A	23 37 46.9				145.55	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	38 04					
			i	18					
31.	01 11	SOP MK Z	P	14 59 48				48.55	12.93N 57.45E
			pP	55					T0=14 51 05.0
			esP	15 00 01					h= 33
									Mb=5.1
32.	01 12	SOP MK Z	i	09 21 23					
			i	33					
			i	37					
33.	01 12	BUD K N	eP	23 47 26				82.64	1.55N 99.85E
			sP	48 24					T0=23 35 19.1
			i	39					h=178
			ePPP	52 47					Mb=5.6
			iS	57 26					
			PS	58 34					
			eL	00 03 13					
			F	37 15					
		BUD MK Z	P	23 47 25	1.8	0.11	+	82.64	
			epP	48					
			i	48 10					
			sP	21					
			ePP	51 09					
		BUD K2 E	P	23 47 25				82.64	
			pP	48 09					
			sP	29					
			ePP	51 31					
			iS	57 25					
			sS	58 22					
			iPS	43					
		BUD K2 Z	P	23 47 25					
			pP	48 09					
		BUD UT Z	P	23 47 26			-	82.64	
			ipP	48 10					
			ePP	51 42					
			S	57 27					
			esS	58 05					
			eL	59 11					
			F	00 21 48					
		SOP MK Z	iP	23 47 32.6			+	84.32	
			pP	42					
			sP	47					
			i	48 17					
			PP	51 18					
			PPP	52 37					
			SKS	57 43					
			PS	58 44					
		SOP K Z	iP	23 47 32.6				84.32	
			ipP	48 17					
			isP	47					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SKS	57 45					
			sS	58 39					
			PS	00 00 01					
34.	01 13	BUD K N	iPn	09 20 10.0			+	4.12	43.57N 17.16E
			iP$	23					T0=09 19 08.2
			i	40					h= 15
			iSg	21 17					M=5.4
			eL	22					CSEM
			F	42 40					
		BUD MK Z	iPn	09 20 10.9			+	4.12	
			iPg	23					
			iSn	55					
			iS$	21 12					
			eL	20					
			F	28 53					
		BUD K2 N	ePn	09 20 08				4.12	
			Pg	23					
			iS$	21 10					
			iSg	21					
			i	46					
			M	22 01	9.2	11.45			
			F	37 14					
		BUD K2 E	P$	09 20 10					
			Pg	23					
			i	32					
			iS$	21 10					
			eL	10					
			M	37	1.9	29.85			
			F	36 46					
		BUD K2 Z	P$	09 20 10					
			Pg	23					
			Sn	52					
			iS$	21 10					
			iSg	21					
			i	32					
			eL	41					
			F	34 46					
		BUD UT Z	ePn	09 20 23				4.12	
			iSg	21 29					
			L	32					
			M	58	14.6	7.30			
			F	35 46					
		SOP MK Z	iPn	09 20 11.0				4.13	
			iPg	30					
			iSn	53					
		SOP K Z	iPn	09 20 11.0				4.13	
			iPg	25					
			i	40					
			iSn	21 01					
			iS$	11					
			iSg	29					
			eL	38					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	45					
			F	39 45					
35.	01 14	SOP MK Z	i	12 30 23					
			i	27					
			i	39					
36.	01 14	SOP MK Z	iPKP/F	18 17 45.7	1.1	0.09	-	149.91	19.80S 177.54W
			iPKP2/A	53					T0=17 58 35.2
			pPKP/A	19 19					h=350
			sPKP/F	36					Mb=5.2
		SOP K Z	iPKP/F	18 17 45.8				149.91	
			iPKP2/A	54					
37.	01 15	SOP MK Z	Pn	00 30 54				5.94	44.88N 8.99E
			eP$	31 06					T0=00 29 25.1
			ePg	18					h= 10
			eSn	32 01					
			eS$	20					
			eSg	38					
38.	01 16	BUD K N	ePn	09 19 25				9.97	37.92N 22.91E
			eP$	46					T0=09 16 50.8
			Pg	20 07					h= 42
			iS	21 08					M=4.7
			Sg	22 25					CSEM
			eL	23 01					
			M	24 12	7.6	1.96			
			F	31 52					
		BUD K N	ePn	09 19 25				9.97	
			eP$	46					
			Pg	20 07					
			iS	21 08					
			Sg	22 25					
			eL	23 01					
			M	12	7.6	1.96			
			F	31 52					
		BUD K2 E	ePg	09 20 20				9.97	
			eS	21 10					
			eScS	30					
			eL	23 25					
			F	29 17					
		BUD UT Z	eS$	09 21 44				9.97	
			eL	23 23					
			F	30 31					
39.	01 17	BUD K N	iP	05 23 58.0			-	19.67	39.25N 43.69E
			isP	24 17					T0=05 19 26.4
			PP	22					h= 36
			iS	27 45					M=4.9
			iPcP	28 14					CSEM
			eL	29 35					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	33 30	11.8	2.92			
			F	51 29					
		BUD MK Z	P	05 23 50	3.4	0.95	+	19.67	
			sP	24 14					
			ePPP	43					
		BUD K2 N	P	05 23 58				19.67	
			eL	32 24					
			F	41 32					
		BUD K2 E	P	05 23 58					
			ipP	24 06					
			sP	46					
			PcP	27 50					
			SS	28 14					
			eL	32 46					
			F	43 53					
		BUD K2 Z	P	05 23 58					
			PcP	27 50					
			eL	33 03					
			F	42 45					
		BUD UT Z	esP	05 24 07				19.67	
			sS	27 48					
			SSS	28 31					
			eL	29 31					
			M	35 35	14.6	2.5			
			F	57 32					
		SOP MK Z	P	05 24 09			-	21.33	
			isP	25					
			i	36					
			iPP	41					
			PPP	48					
		SOP K Z	P	05 24 10				21.33	
			sP	24					
			iPP	34					
			PPP	50					
			i	25 27					
			ePcP	27 39					
			SSS	29 49					
			eL	32 58					
			M	36 59					
			F	47 31					
40.	01 17	BUD K N	epP	06 36 44				90.42	26.67N 142.57E
			iPPP	42 26					T0=06 23 36.1
			M	07 22 20	14.0	11.79			h= 33
			F	08 26 25					Mb=5.6 Ms=5.6
		BUD K2 N	S	06 47 20				90.42	
			sS	45					
			SSP	53 44					
			eL	07 14 29					
			F	51 43					
		BUD K2 E	eP	06 36 40					
			eSS	53 34					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	07 21 34	16.0	18.18			
			F	51 43					
		BUD K2 Z	epP	06 36 43					
			PP	40 22					
			SP	40 41					
			eL	07 19 37					
		BUD UT Z	P	06 36 42			-	90.42	
			ePP	39 35					
			e	46 14					
			PS	40 43					
			eSSP	49 51					
			M	07 21 23	16.0	16.20			
			F	08 59 50					
		S0P K Z	P	06 36 50				91.51	
			iPP	40 24					
			iPPP	42 04					
			i	46 27					
			iPS	40 54					
			eL	07 14 51					
			M	23 12					
			F	59 50					
41.	01 17	BUD K N	epPKP	19 24 34				144.78	14.87S 177.23W
			i	25 04					T0=19 04 37.4
									h= 36
									Mb=5.3 Ms=5.9
		BUD MK Z	PKP/F	19 24 11				144.78	
			pPKP/F	16					
			pPKP/A	26					
		BUD K2 E	PKP2/A	19 24 21				144.78	
		BUD K2 Z	ePKP/F	19 24 16					
			epPKP/A	42					
		BUD UT Z	PKP/F	19 24 17				144.78	
			pPKP/A	42					
			eL	20 18 21					
			F	41 57					
		S0P K Z	PKP/F	19 24 14	2.3	2.1		145.34	
			pPKP/A	25 01					
42.	01 17	SOP MK Z	PKP/F	19 24 12				145.34	14.87S 177.23W
			PKP2/A	14					T0=19 06 37.4
			ipPKP/F	21					h= 36
			pPKP/A	53					
43.	01 17	BUD MK Z	e	21 57 21					
			i	58 14					
			i	20					
44.	01 17	BUD MK Z	P	21 41 32				105.43	24.31S 67.76W
			i	42 32					T0=21 27 19.8
			iPP	46 07					h=100

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPP	48 33					Mb=6.1
			eSKS/D	52 41					
		BUD K2 E	eP	21 41 40				105.43	
			PP	46 22					
			PPP	48 31					
			SKS/A	51 59					
			SKS/D	52 50					
			iS	53 26					
			eL	22 09 05					
		BUD UT Z	P	21 41 31				105.43	
			i	42 12					
			PPP	48 30					
			SKS/D	53 42					
			PS	55 04					
			iPPS	56 32					
			iSS	22 00 48					
			eL	04 54					
			M	33 17	17.8	4.60			
			F	23 31 39					
		SOP MK Z	P	21 41 23				103.93	
			i	45 36					
			iPP	41					
			ePPP	47 51					
			SKS/A	51 51					
			e	53 23					
			PPS	55 49					
		SOP K Z	P	21 42 02				103.93	
			i	46 32					
			iPP	47 00					
			PPP	49 20					
			eSKS/A	52 26					
			sSKS/D	53 24					
			SPP	56 54					
			PPS	57 30					
			eL	22 09 46					
			F	53 51					
45.	01 18	BUD K N	ePKP/F	06 01 54				161.48	41.73S 174.25E
			PKP2/A	02 35					T0=05 41 49.6
			ipPKP/A	53					h= 50
									Mb=5.9 Ms=6.0
46.	01 18	BUD K N	P	08 54 28				26.08	33.25N 48.02E
			ipP	48					T0=08 48 59.0
			isP	55 03					h= 71
			PPP	20					M=5.6
									CSEM
		BUD K2 E	eP	08 54 28				26.08	
			pP	49					
			ePP	55 18					
			ePPP	39					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
47.	01 19	BUD K N	ipP	00 56 08				55.54	37.02N 95.69E
			iPcP	54					T0=00 46 18.3
			i	57 14					h= 33
									Mb=5.9 Ms=5.8
		BUD K2 N	P	00 55 55			-	55.54	
			eL	01 15 53					
			F	02 37 47					
		BUD K2 E	P	00 55 55			-		
			pP	56 14					
			PcP	57 04					
			PP	58 06					
			PPP	59 09					
			eS	01 03 39					
			sS	53					
			eScS	05 48					
			eSS	07 32					
			i	15 20					
			eL	16 03					
			M	18 49	10.4	4.91			
		BUD K2 Z	P	00 55 55					
			eL	01 16 21					
			F	02 44 39					
		BUD UT Z	P	00 55 55				55.54	
			esP	56 18					
			PcP	54					
			PP	58 04					
			PPP	59 24					
			eL	01 17 07					
			M	21 09	13.8	3.09			
			F	02 09 54					
		S0P K Z	iP	00 56 04.6			+	57.04	
			ipP	11					
			sP	38					
			PcP	57 13					
			iPP	58 29					
			PPP	59 32					
			sS	01 04 12					
			eL	19 35					
			F	46 55					
48.	01 19	BUD K N	P	14 07 37				98.01	5.03N 126.55E
			i	17 06					T0=13 54 04.5
			SKS	18 14					h= 50
			eS	44					Mb=5.8 Ms=5.9
			sS	19 04					
			eL	47 23					
			M	50 39	19.2	5.67			
			F	15 38 18					
		BUD K2 E	eP	14 07 42				98.01	
			epP	49					
			eL	55 08					
			F	15 27 27					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD UT Z	eSS	14 26 07				98.01	
			eSSP	38					
			eL	34 27					
			M	15 06 11	20.4	1.78			
			F	35 58					
49.	01 19	BUD K N	eP	20 50 14				13.46	36.51N 8.49E
			sP	25					T0=20 46 55.4
			PPP	40					h= 23
			S	52 50					M=5.7
			SSS	53 36					CSEM
			eL	54 43					
			M	57 21	10.0	1.5			
			F	21 16 53					
		BUD MK Z	eP	20 50 12				13.76	
			esP	25					
			ePP	31					
			PPP	37					
		BUD K2 N	ePcP	20 55 34				13.46	
			F	21 03 27					
		BUD K2 E	eP	20 50 15					
			esP	26					
			ePPP	49					
			eS	52 38					
			eSSS	53 50					
			eL	55 09					
			F	21 07 13					
		BUD UT Z	esP	20 50 17				13.46	
			eL	55 08					
			F	21 06 29					
		SOP MK Z	P	20 49 54			-	12.66	
			isP	59					
			PP	50 04					
			PPP	12					
			eS	51 45					
		S0P K Z	P	20 49 56				12.66	
			sP	50 04					
			PPP	22					
			SSS	53 16					
			eL	55 16					
			F	21 01 56					
50.	01 20	SOP MK Z	P	20 22 37	1.7	0.07		83.57	20.97N 120.33E
			epP	45					T0=20 10 09.7
			esP	59					h= 30
									Mb=5.2
51.	01 21	SOP MK Z	P	02 32 28				82.45	23.75N 121.91E
			sP	42					T0=02 20 06.3
			e	33 00					h= 36
									Mb=5.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
52.	01 21	BUD K N	PKP/F	06 29 47				147.32	18.01S 178.37W
			epPKP/F	32 05					T0=06 11 05.6
									h=604
									Mb=5.8
		BUD MK Z	PKP/F	06 29 50	0.9	0.09	+	147.32	
			iPKP2/A	53					
			i	31 17					
			ipPKP/F	32 07					
			ipPKP/A	11					
			esPKP/F	33 04					
		BUD K2 E	ePKP/F	06 29 47				147.32	
			PKP2/A	52					
			pPKP/F	31 54					
			esPKP/F	32 45					
		BUD K2 Z	ePKP/F	06 29 47					
			pPKP/A	32 06					
		BUD UT Z	PKP2/A	06 29 47				147.32	
			epPKP/A	32 05					
		SOP MK Z	PKP/F	06 29 42				147.97	
			iPKP2/A	46					
			i	56					
			pPKP/F	32 02					
			pPKP/A	06					
			sPKP/F	52					
			sPKP/A	33 00					
		SOP K Z	PKP/F	06 29 44				147.97	
			i	48					
			iPKP2/A	54					
			ipPKP/F	32 02					
			pPKP/A	20					
			sPKP/A	33 32					
53.	01 21	SOP MK Z	ePKP/F	09 46 46				146.96	16.53S 177.08W
			epPKP/A	47 02					T0=09 27 03.8
									h= 33
									Mb=5.8
54.	01 22	SOP MK Z	iPKP/F	05 50 15.2			-	147.16	15.15S 173.11W
			pPKP/F	27					T0=05 30 30.9
			epPKP/A	30					h= 33
									Mb=5.3
55.	01 23	BUD MK Z	ePKP	01 57 42				136.51	13.37S 166.51E
			epPKP	51					T0=01 38 23.5
			ePP	02 00 29					h= 39
									Mb=5.5 Ms=5.6
		SOP MK Z	PKP	01 57 44				137.61	
			pPKP	54					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePP	02 00 45					
56.	01 23	SOP MK Z	i i F	05 09 34.2 39 10 05					EXP?
57.	01 23	SOP MK Z	eP pP esP	15 01 20 37 47				91.56	26.79N 142.89E T0=14 54 14.9 h= 33 Mb=5.0
58.	01 25	SOP MK Z	P PP PPP	23 57 08 26 39				11.80	39.36N 28.12E T0=23 54 18.1 h= 23 Mb=4.6
59.	01 26	SOP MK Z	ePKP/F PKP2/A epPKP/F	03 39 13 19 22				149.99	18.70S 173.30W T0=03 19 24.9 h= 33 Mb=4.6
60.	01 26	SOP MK Z	Pn P$ ePg eSn Sg	15 34 33 38 40 55 35 02	1.0	0.03		2.68	46.33N 13.17E T0=15 33 50.5 h= 10
61.	01 27	SOP MK Z	iP ipP sP i PP	11 49 42.5 48 50 01 13 51 46			+	49.49	12.22N 58.09E T0=11 41 01.1 h= 33 Mb=5.1
62.	01 27	SOP MK Z	P esP	17 04 15 30				79.56	43.37N 147.56E T0=16 52 09.8 h= 41 Mb=5.0
63.	01 27	SOP MK Z	P pP sP	20 11 48 59 12 01				49.75	11.87N 58.06E T0=20 02 59.6 h= 33 Mb=4.6 Ms=3.4
64.	01 28	SOP MK Z	ePKP/F pPKP/F pPKP/A	18 20 22 32 41				142.15	17.43S 168.69E T0=18 00 51.8 h= 14 Mb=5.4

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
65.	01 29	SOP MK Z	ePKP	01 11 43				122.98	5.21S 151.81E
			epPKP	12 05					T0=00 52 52.7
									h= 55
									Mb=5.6
66.	01 29	SOP MK Z	P	05 22 17				72.16	15.24N 96.52E
			epP	25					T0=05 10 52.7
			esP	32					h= 40
			ePcP	42					Mb=4.9
67.	01 29	SOP MK Z	P	23 46 47				34.55	28.27N 53.52E
			pP	47 00					T0=23 40 01.6
			sP	06					h= 64
			PP	48 01					M=4.4
									CSEM
68.	01 30	SOP MK Z	ePKP/F	00 33 16				152.62	62.38S 155.05E
			epPKP/F	29					T0=00 13 29.4
			PKP2/A	41					h= 33
			epPKP/A	51					Mb=4.8
69.	01 30	SOP MK Z	eP	04 22 59				68.70	39.50N 118.02E
			epP	23 04					T0=04 11 57.3
			PcP	24					h= 33
									Mb=5.2
70.	01 30	SOP MK Z	P	10 43 49	1.3	0.037		41.00	39.56N 73.35E
			pP	44 04					T0=10 36 06.4
			sP	16					h= 33
			ePP	45 33					Mb=5.0
			PPP	46 07					
71.	01 30	BUD K N	iSg	21 20 04				4.07	44.01N 15.99E
			i	13					T0=21 17 31.6
									h= 10
									M=4.0
									CSEM
		BUD MK Z	Pn	21 18 37			+	4.07	
			P$	44					
			iPg	55					
			iSn	19 27					
			iS$	35					
			iSg	47					
			i	56					
		BUD K2 E	ePg	21 19 11				4.07	
			eSn	38					
			S$	48					
			iSg	20 04					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	ePn	21 18 29				3.69	
			eP%	35					
			Sn	19 14					
			iS%	36					
			iSg	43					
		S0P K Z	eP%	21 18 36				3.69	
			Pg	48					
			Sn	19 16					
			S%	22					
			Sg	56					
72.	01 31	SOP MK Z	P	02 27 02			-	59.92	1.24S 23.52W
			pP	09					T0=02 16 57.3
			sP	18					h= 33
			ePcP	31					Mb=5.0
73.	01 31	SOP MK Z	e	07 12 08					
			e	40					
			e	55					
74.	01 31	BUD MK Z	i	11 33 54					
			i	34 07					
			i	27					
75.	01 31	BUD K N	ipP	14 33 38			-	37.51	40.05N 70.79E
			sP	48					T0=14 26 17.1
			i	34 04					h= 33
			iPcP	35 39					Mb=6.0
			eL	42 07					
			M	51 17	11.8	13.46			
			F	16 05 59					
		BUD MK Z	iP	14 33 38.2	1.6	0.25	+	37.51	
			i	32					
			ipP	35					
			isP	44					
			iPP	35 04					
			iPPP	37					
			PcP	54					
			S	39 19					
			sS	28					
			SS	41 50					
			eSSS	42 12					
		BUD K2 N	esP	14 33 51				37.51	
			eL	43 44					
			F	15 22 55					
		BUD K2 E	P	14 33 38			-		
			pP	45					
			PP	34 52					
			iPPP	35 20					
			i	33					
			eL	43 08					
			M	50 49	10.0	10.69			

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	15 26 50					
		BUD K2 Z	P	14 33 30			-		
			PcP	35 42					
			eL	43 02					
			F	15 25 53					
		SOP MK Z	iP	14 33 44.6	1.2	0.17	+	39.13	
			isP	59					
			i	34 12					
			iPP	35 22					
			iPPP	44					
			PcP	36 00					
			S	39 16					
			sS	47					
		SOP K Z	iP	14 33 45.6				39.13	
			ipP	51					
			isP	34 00					
			i	58					
			iPP	35 18					
			iPPP	36 06					
			sS	40 01					
			SS	42 20					
			eL	44 27					
			M	15 06 46					
			F	15 46 20					
76.	01 31	SOP MK Z	e	16 45 13					EXP?
			F	31					
77.	01 31	BUD K N	ePKP/F	20 57 14				146.94	16.48S 175.15W
			epPKP/F	29					T0=20 37 20.4
			eL	21 57 05					h= 49
			F	22 10 12					Mb=5.2 Ms=5.2
		BUD MK Z	ePKP/F	20 57 04				146.94	
			ePKP2/A	12					
			pPKP/F	16					
			pPKP/A	32					
		BUD K2 E	epPKP/A	20 57 18				146.94	
		SOP MK Z	PKP/F	20 57 00				147.41	
			pPKP/F	16					
			pPKP/A	25					
		SOP K Z	PKP/F	20 57 00				147.41	
			iPKP2/A	07					
			pPKP/A	31					
78.	02 02	SOP MK Z	e	08 30 50					
			i	31 07					
			i	09					
79.	02 02	SOP MK Z	e	10 38 53					EXP?
			e	56					
			e	59					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
80.	02 02	SOP MK Z	PKP/F	23 08 12	1.0	0.04	+	148.14	18.17S 178.33W
			PKP2/A	24					T0=22 49 38.9
									h=646
									Mb=4.9
81.	02 03	SOP MK Z	PKP/F	04 52 46	1.0	0.01	-	145.54	20.86S 169.67E
			PKP2/A	56					T0=04 33 23.8
			pPKP/F	53 00					h=125
									Mb=4.7
82.	02 03	BUD MK Z	iP	10 50 21.0	1.0	0.05	+	78.17	45.37N 150.43E
			pP	24					T0=10 38 23.4
			isP	32					h= 33
			i	50					Mb=5.5
		SOP MK Z	iP	10 50 24.4	0.8	0.05	+	78.88	
			ipP	31					
			isP	41					
			i	56					
83.	02 03	BUD K N	e	20 31 41				144.83	21.52S 169.50E
									T0=20 12 19.8
									h= 33
									Mb=4.7
		BUD K E	ePKP/F	20 31 57					
			pPKP/F	32 07					
			epPKP/A	13					
		BUD MK Z	PKP/F	20 31 54			-	144.83	
			PKP2/A	57					
			pPKP/F	32 01					
			pPKP/A	05					
			i	12					
		SOP MK Z	PKP/F	20 31 57	1.6	0.02	-	146.01	
			pPKP/F	32 09					
			epPKP/A	13					
			i	59					
		SOP K Z	PKP/F	20 32 11				146.01	
			pPKP/F	18					
			pPKP/A	24					
84.	02 04	BUD K N	P	07 59 38				102.69	24.66S 63.05W
			PPP	08 05 48					T0=07 46 36.6
			iSKS/A	09 22					h=600
			iSKS/D	10 21					Mb=6.1
			iS	47					
			eL	23 41					
			F	09 22 01					
		BUD MK Z	P	07 59 34	1.0	0.05	-	102.69	
			i	08 00 49					
			PP	05 48					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SKS/A	09 05					
		SOP MK Z	iP	07 59 26.6	2.0	0.18	+	101.24	
			i	32					
			PP	08 05 12					
			PPP	06 59					
			eSKS/A	08 09					
			SKS/D	09 12					
		SOP K Z	iP	07 59 29.6	3.1	1.48	-	101.24	
			i	08 01 36					
			PP	05 42					
			PPP	07 57					
			SKS/A	09 29					
			SKS/D	56					
			sSKS/A	14 27					
			sSKS/D	55					
			SP	16 26					
			PS	17 09					
			SPP	18 06					
			eL	23 22					
85.	02 05	SOP MK Z	ePKP/F	02 58 38				146.21	21.57S 169.82E
			pPKP/F	50					T0=02 39 02.5
			pPKP/A	53					h= 33
86.	02 05	BUD K N	iPP	03 51 11				136.69	66.44S 82.58W
			iSKS	55 40					T0=03 29 18.9
			PS	04 01 32					h= 33
			eL	11 28					Mb=6.2 Ms=6.2
			F	06 00 02					
		BUD MK Z	PKP	03 48 25				136.69	
			ipPKP	34					
			i	38					
			PP	51 19					
			ePPP	54 14					
87.	02 05	BUD MK Z	i	11 07 04			+		
			e	08					
			i	18					
88.	02 06	BUD K N	i	03 29 12				151.92	21.82S 175.25W
			ipPKP/F	22					T0=03 09 14.0
			iPKP2/A	33					h= 33
									Mb=5.6 Ms=5.7
		BUD MK Z	ePKP/F	03 29 03				151.92	
			epPKP/F	08					
			iPKP2/A	09					
			i	18					
			pPKP/A	27					
		SOP MK Z	PKP/F	03 29 00	1.2	0.02	+	152.49	
			i	30 08					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePP	33 13					
		SOP K Z	PKP/F	03 29 03				152.49	
			ipPKP/F	10					
			iPKP2/A	19					
			pPKP/A	28					
89.	02 06	BUD K N	S$	21 46 15				1.71	47.84N 16.54E
			i	27					T0=21 45 19.5
									h= 10
									CSEM
		BUD MK Z	Pn	21 45 51			+	1.71	
			ePg	54					
			i	46 03					
			iSn	10					
			iS$	13					
			eSg	18					
		SOP MK Z	iPg	21 45 22.9			-	0.15	
			iSn	31					
			L	32					
			F	48 49					
90.	02 07	SOP MK Z	P	08 54 41				83.35	35.55N 140.92E
			ipP	43					T0=08 42 17.9
			sP	55 11					h= 47
									Mb=5.1
91.	02 07	BUD MK Z	PKP/F	23 48 05	1.0	650	+	146.09	15.28S 174.09W
			epPKP/F	13					T0=23 28 38.6
			pPKP/A	23					h=132
									Mb=5.2
		SOP MK Z	PKP/F	23 48 04	1.0	0.07		146.50	
			iPKP2/A	09					
			i	13					
			pPKP/F	27					
			sPKP/F	59					
			sPKP/A	49 14					
92.	02 09	SOP MK Z	eP	13 58 08				12.60	36.57N 8.49E
			sP	16					T0=13 55 02.5
									h= 10
									M=4.9
									CSEM
93.	02 10	BUD K N	pPKP/F	03 46 46				145.30	21.87S 169.83E
									T0=03 26 59.0
									h= 38
									Mb=4.9 Ms=5.0
		BUD K E	PKP/F	03 46 37				145.30	
			pPKP/A	48			-		

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	54					
		BUD MK Z	iPKP/F	03 46 35.9			-	145.30	
			PKP2/A	39					
			i	41					
			ipPKP/F	47					
			pPKP/A	52					
		SOP MK Z	PKP/F	03 46 38	1.8	0.15		146.47	
			ipPKP/F	50					
			pPKP/A	59					
		SOP K Z	PKP/F	03 46 39				146.47	
			pPKP/A	47 10					
			ePP	49 27					
94.	02 10	BUD K N	PKP/F	08 15 33				145.31	21.82S 169.94E
			ipPKP/A	49					T0=07 55 56.7
			i	16 05					h= 41
									Mb=5.2 Ms=5.4
		BUD K E	PKP/F	08 15 33					
			pPKP/F	39					
			ipPKP/A	49					
			i	16 05					
		BUD MK Z	iPKP/F	08 15 32.1	1.3	0.24	+	145.31	
			iPKP2/A	37					
			ipPKP/F	46					
			ipPKP/A	49					
		SOP MK Z	iPKP/F	08 15 35.7	1.8	0.23	+	146.48	
			ipPKP/A	53					
			i	16 07					
95.	02 10	BUD K N	e	08 34 06					
			e	12					
			i	19					
		BUD MK Z	i	08 34 06.4					
			i	09					
			i	13					
96.	02 10	BUD K N	ePg	10 13 06				1.60	46.32N 17.41E
			eS*	24					T0=10 12 33.6
			Sg	29					h= 10
			L	35					M=2.5
			F	14 39					CSEM HUNGARY
		BUD K E	ePn	10 13 04					
			eS*	24					
			Sg	29					
			L	35					
			F	14 39					
		BUD MK Z	Pn	10 13 03				1.60	
			i	18					
			Sn	20					
			S*	25					
			Sg	30					
			F	14 38					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 E	ePn	10 13 04				1.60	
			Pg	06					
			S$	24					
			iSg	29					
			L	35					
			F	14 34					
		SOP MK Z	iP$	10 12 57.6			-	1.48	
			Sn	13 14					
			S$	16					
			F	14 33					
		SOP K Z	Sg	10 13 24				1.48	
97.	02 10	BUD K N	Pn	10 14 49				1.58	46.43N 17.29E
			iPg	51					T0=10 14 18.6
			S$	15 09					h= 10
			Sg	13					M=3.0
			i	25					CSEM HUNGARY
			F	17 50					
		BUD K E	iPg	10 14 51					
			S$	15 09					
			Sg	13					
			i	20					
			F	17 26					
		BUD MK Z	Pn	10 14 48				1.58	
			Pg	51					
			i	54					
			eSn	15 04					
			iS$	08					
			Sg	13					
			F	17 23					
		BUD K2 E	ePn	10 14 48				1.58	
			Pg	51					
			i	15 03					
			S$	09					
			L	18					
			F	17 53					
		SOP MK Z	Pg	10 14 42			-	1.35	
			Sn	59					
			F	17 35					
		SOP K Z	ePg	10 14 44				1.35	
			eSg	15 03					
98.	02 10	SOP MK Z	ePKP	22 59 40				112.90	60.93S 23.09W
			pPKP	23 00 03					T0=22 41 06.2
			PP	41					h= 33
			PPP	02 59					Mb=6.3
99.	02 10	SOP MK Z	iPKP2/A	23 25 41.3	1.3	0.04	-	158.86	29.32S 177.03W
			pPKP/A	48					T0=23 05 11.3
									h= 53
									Mb=4.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
100.	02 10	SOP MK Z	iPKP2/A	23 40 44.3	1.1	0.02	-	159.05	29.52S 176.99W
			pPKP/A	57					T0=23 20 13.6
			SKS/F	48 02					h= 51
101.	02 11	BUD K N	e	11 23 17					
			i	23					
			e	24 08					
		BUD K E	e	11 23 03					
			i	23					
		BUD K2 E	e	11 23 03					
			e	39					
			e	24 26					
		SOP MK Z	e	11 22 54					
			i	23 08					
			i	31					
102.	02 11	SOP MK Z	eSn	18 36 17				5.08	48.38N 9.05E
			eS*	25					T0=18 33 52.6
			e	34					h= 33
			eSg	38					
103.	02 11	SOP MK Z	iP	22 07 45.9			+	30.35	50.50N 30.20W
			ipP	52					T0=22 01 32.0
			sP	59					h= 20
			ePP	08 21					
104.	02 12	BUD MK Z	PKP/F	04 26 32			-	145.37	21.97S 169.82E
			ePKP2/A	35					T0=04 06 55.0
			pPKP/F	43					h= 36
			epPKP/A	48					Mb=4.9
105.	02 12	BUD K N	sP	04 57 16				39.40	36.98N 71.27E
			iPcP	58 46					T0=04 49 16.0
									h= 98
									Mb=5.8
		BUD K E	eP	04 56 40					
			pP	57 03					
			ePP	58 31					
		BUD MK Z	iP	04 56 40.0			-	39.40	
			pP	57 02					
			sP	13					
			PP	58 10					
			ePcP	44					
		BUD K2 E	eP	04 56 40				39.40	
			epP	57 08					
		SOP MK Z	iP	04 56 51.7			+	41.05	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	58					
			pP	57 08					
			sP	13					
			PP	58 39					
			PcP	49					
			PPP	59 12					
		SOP K Z	iP	04 56 46.7				41.05	
106.	02 13	BUD K N	ePKP/F	01 48 36				145.37	22.10S 169.63E
			ePKP/A	49 17					T0=01 28 51.8
			i	28					h= 33
									Mb=4.7
		BUD MK Z	ePKP/F	01 48 29				145.37	
			PKP2/A	31					
			epPKP/F	49 07					
		SOP MK Z	PKP/F	01 48 30			+	146.55	
			pPKP/A	45					
		SOP K Z	PKP/F	01 48 32				146.55	
			pPKP/A	49 04					
			PP	51 35					
			SKS/F	55 38					
107.	02 13	BUD K N	i	04 19 54				85.29	15.65N 119.16E
			ePP	22 54					T0=04 06 46.9
			SP	31 04					h= 44
			iSS	35 20					Mb=5.4
			eL	55 05					
			F	05 26 30					
		BUD K E	eP	04 19 31					
			pP	52					
			i	20 29					
			eL	56 52					
			F	05 20 23					
		BUD MK Z	P	04 19 24			+	85.29	
			pP	26					
			sP	32					
			i	52					
			ePP	21 38					
		BUD K2 E	eP	04 19 34				85.29	
			pP	53					
			sP	58					
			iPP	22 04					
			iSKS	29 36					
			eL	56 37					
			F	05 08 28					
		BUD K2 Z	pP	04 10 34					
			eL	05 02 46					
		SOP MK Z	P	04 19 28				86.81	
			sP	56					
			i	20 12					
		SOP K Z	P	04 19 32				86.81	
			sP	56					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PPP	25 34					
			PPS	31 42					
			eL	59 10					
			F	05 28 00					
108.	02 13	SOP MK Z	ePKP	04 40 32				123.52	5.57S 152.24E
			pPKP	41					T0=04 21 28.8
									h= 33
									Mb=5.4
		SOP K Z	ePKP	04 40 22				123.52	
			pPKP	42					
109.	02 13	SOP MK Z	iP	06 03 04			+	73.66	54.06N 158.63E
			PcP	11					T0=05 51 45.3
			epP	16					h=167
									Mb=5.0
110.	02 13	BUD K N	i	13 20 44				100.88	0.11S 125.06E
			pP	48					T0=13 06 51.3
									h= 33
									Mb=5.8 Ms=5.0
		BUD K E	eP	13 20 42					
			esP	57					
		BUD MK Z	iP	13 20 41.1	0.9	0.02	+	100.88	
			i	52					
			pP	21 08					
			sP	16					
		BUD K2 E	eP	13 20 41				100.88	
			epP	45					
		SOP MK Z	iP	13 20 45.7	1.0	0.03	+	102.46	
			i	21 00					
111.	02 13	BUD K N	ePKP/F	14 21 48				145.40	21.95S 169.90E
			epPKP/F	55					T0=14 02 08.2
									h= 33
									Mb=5.2
		BUD K E	ePKP/F	14 21 48					
		BUD MK Z	ePKP/F	14 21 47				145.40	
			ePKP2/A	51					
			pPKP/F	56					
			pPKP/A	22 03					
			i	09					
		BUD K2 E	pPKP/F	14 21 49				145.40	
			epPKP/A	22 24					
		SOP MK Z	ePKP/F	14 21 48				146.57	
			PKP2/A	56					
			pPKP/A	22 04					
112.	02 14	BUD MK Z	pP	00 30 38			+	42.64	33.59N 73.25E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	54					T0=00 22 38.4
									h= 33
									Mb=5.2
		SOP MK Z	P	00 30 47			+	44.30	
			pP	31 01					
			isP	04					
			iPcP	32 27					
			iPP	36					
			PPP	33 20					
113.	02 15	BUD K N	e	10 00 44					
			i	48					
			e	01 07					
		BUD MK Z	i	10 00 49					
			i	53					
			e	01 12					
114.	02 16	BUD K N	P	00 57 17				41.45	26.03N 26.34W
			pP	24					T0=00 49 30.4
			i	58 10					h= 10
			PcP	59 20					M=5.6
									CSEM
		BUD K E	P	00 57 17					
			pP	24					
			isP	41					
			PP	59 04					
			PPP	41					
		BUD MK Z	iP	00 57 17.1	1.0	0.10	+	41.45	
			i	20					
			ipP	28					
			isP	39					
			iPP	58 56					
			PcP	59 07					
			PPP	32					
		BUD K2 E	P	00 57 17				41.45	
			sP	41					
		SOP MK Z	iP	00 57 04.0	1.3	0.25	+	39.90	
			i	07					
			ipP	15					
			sP	27					
			ePP	58 47					
			ePcP	59 04					
			PPP	18					
		SOP K Z	iP	00 57 02.5			+	39.90	
			pP	06					
115.	02 16	BUD K N	Pn	19 35 02				2.46	45.98N 16.18E
			iPg	07					T0=19 34 12.8
			iSn	32					h= 10
			iSg	40					M=4.0
			i	48					CSEM
			eL	50					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	36 20	5.8	1.15			
			F	41 11					
		BUD K E	Pn	19 35 02					
			iS$	35					
			i	46					
			eL	52					
			M	36 14	5.6	1.49			
			F	41 53					
		BUD MK Z	Pn	19 34 59			+	2.46	
			iPg	35 05					
			i	12					
			iSn	28					
			iS$	35					
			iSg	40					
			F	39 32					
		BUD K2 N	eSg	19 35 42				2.46	
			eL	54					
			F	39 43					
		BUD K2 E	ePn	19 35 02					
			Pg	11					
			i	20					
			iSn	25					
			F	41 45					
		BUD K2 Z	eS$	19 35 37					
		SOP MK Z	iPn	19 34 41.5			-	1.72	
			Sg	35 07					
		SOP K Z	iPn	19 34 49.5			+	1.72	
			Sn	35 06					
			iS$	17					
			iSg	21					
			i	38					
116.	02 17	BUD K N	eP	13 43 46				70.00	58.91N 163.81E
			esP	44 04					T0=13 32 31.7
									h= 33
									Mb=5.2 Ms=4.1
		BUD K E	eP	13 43 46					
			pP	51					
			PcP	44 07					
		BUD MK Z	P	13 43 45	1.0	0.02	+	70.00	
			pP	49					
			sP	56					
		SOP MK Z	iP	13 43 44.5	1.1	0.05	+	70.41	
117.	02 18	SOP MK Z	iPKP/F	02 17 02.5				154.90	24.68S 175.96W
			ipPKP/F	11					T0=01 56 47.3
			iPKP2/A	25					h= 35
			pPKP/A	39					Mb=5.0
118.	02 18	BUD K N	eP	04 20 20				70.10	41.40N 142.03E
			sP	38					T0=04 00 13.4

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PPP	25 06					h= 5
			i	51					Mb=5.5 Ms=5.6
			iS	30 05					
			PS	46					
			SSP	31 32					
			eL	51 09					
			M	58 14	16.6	3.33			
			F	05 25 37					
		BUD K E	eP	04 20 20					
			i	58					
			eL	51 26					
			F	05 12 39					
		BUD MK Z	eP	04 20 18				78.10	
			ipP	21					
			sP	29					
			i	38					
			PP	23 04					
		BUD K2 E	eP	04 20 22				78.10	
			sP	39					
			ePP	23 17					
			eL	51 41					
			F	05 11 45					
		SOP MK Z	iP	04 20 20.5	1.0	0.07	+	79.01	
			iPcP	26					
			ipP	30					
			isP	39					
			i	46					
			ePP	23 33					
		SOP K Z	iP	04 20 20.5				79.01	
			pP	25					
			esP	48					
			PP	23 49					
			PPP	24 18					
			eL	55 30					
			F	05 15 28					
119.	02 18	SOP MK Z	eP	14 24 56				61.11	8.81N 39.71W
			epP	25 04					T0=14 14 44.1
			esP	13					h= 33
									Mb=4.5
120.	02 18	BUD K N	P	21 04 04				84.31	33.07N 140.81E
			i	07					T0=20 51 29.8
			ipP	16					h= 42
			isP	25					Mb=6.0 Ms=7.2
			iPPP	08 40					
			iS	14 20					
			PS	15 22					
			iSSP	16 20					
			eL	25 46					
			M	38 15	20.6	16.28			
			F	22 27 48					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	i	21 04 07					
			ipP	16					
			PP	07 39					
			SKS	14 15					
			isS	26					
			SP	15 34					
			eL	26 43					
			F	22 23 54					
		BUD MK Z	iP	21 04 03.9	2.1	0.71	-	84.31	
			ipP	16					
			isP	19					
			i	25					
			PP	07 24					
			ePPP	09 24					
		BUD K2 N	eSKS	21 14 20				84.31	
			eL	36 53					
			F	55 50					
		BUD K2 E	eP	21 04 04					
			pP	10					
			isP	24					
			PP	07 58					
			PS	15 30					
			SSP	16 10					
			eL	34 31					
			F	58 22					
		BUD K2 Z	eP	21 04 04					
			eL	43 36					
		SOP MK Z	iP	21 04 04	2.0	0.63	+	85.35	
			ipP	14					
			isP	24					
			iPP	07 37					
			ePPP	09 41					
		SOP K Z	iP	21 04 05.0	2.2	2.52	-	85.35	
			ipP	25					
			sP	39					
			i	07 23					
			PP	33					
			SKS	14 29					
			SP	15 33					
			PS	51					
			PPS	16 33					
			e	21 59					
			eL	40 35					
			M	47 46					
121.	02 19	SOP MK Z	P	04 14 57	1.8	0.08		85.34	33.08N 140.81E
			pP	15 13					T0=04 02 24.2
			esP	23					h= 52
									Ms=5.2
122.	02 19	SOP MK Z	P	06 24 09				48.86	31.78N 78.41E
			pP	13					T0=06 15 25.0

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	29					h= 40
			ePcP	55					Mb=5.4
			PP	25 57					
		SOP K Z	P	06 24 13				48.86	
			isP	31					
123.	02 19	BUD K N	P	22 45 59			+	76.36	53.56N 170.03E
			i	46 46					T0=22 34 04.1
			isS	55 48					h= 33
									Mb=6.2 Ms=6.7
		BUD K E	P	22 45 59			+		
			ipP	46 09					
			i	54					
			iPP	49 20					
			iPPP	50 37					
			isS	55 48					
		BUD MK Z	iP	22 45 57.8			+	76.36	
			ipP	46 03					
			iPcP	13					
			sP	17					
			i	23					
			iPP	48 55					
			ePPP	50 45					
		BUD K2 N	P	22 45 58				76.36	
			PcP	46 11					
			i	25					
			S	55 49					
			M	23 27 14	15.4	27.36			
		BUD K2 E	P	22 45 58					
			pP	46 02					
			PcP	11					
			i	25					
			S	55 49					
			SSP	56 52					
			eL	23 03 57					
			M	27 27	19.2	53.84			
		BUD K2 Z	P	22 45 58					
			S	55 49					
			iScS	56 06					
			eL	23 15 22					
		SOP MK Z	P	22 45 54	1.0	0.07	+	76.65	
			ipP	46 07					
			isP	16					
			i	23					
			PP	49 05					
			PPP	50 55					
			SSP	56 58					
		SOP K Z	P	22 45 54	4.0	10.7	+	76.65	
			isP	46 27					
			i	41					
			iPP	48 45					
			PPP	50 47					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sS	55 46					
			SSS	23 04 31					
			eL	17 09					
			M	30 42					
124.	02 19	BUD MK Z	eP	22 59 34				76.63	53.33N 170.29E
			pP	43					T0=22 47 39.1
			sP	50					h= 30
									Mb=5.1
		SOP MK Z	P	22 59 29	1.6	0.06	+	76.93	
			ipP	39					
			isP	44					
125.	02 19	BUD MK Z	PKP/F	23 49 56				149.00	22.10S 138.76W
			PKP2/A	59					T0=23 29 57.9
									h= 0
									Mb=5.3
									EXP.
		SOP MK Z	PKP/F	23 49 45	1.0	0.05	+	147.68	
			iPKP2/A	49					
			epPKP/A	50 07					
126.	02 19	BUD MK Z	P	23 52 07			-	47.48	34.70N 81.25E
			epP	16					T0=23 43 26.4
			esP	40					h= 19
			PP	54 06					Mb=5.1
		SOP MK Z	iP	23 52 13.7			+	49.02	
			ipP	18					
			isP	39					
			i	44					
			PcP	53 18					
			PP	54 04					
			ePPP	37					
127.	02 20	SOP MK Z	e	11 20 29					
			e	45					
			e	21 38					
128.	02 21	SOP MK Z	iP	13 06 46.5			+	18.45	40.19N 40.05E
			isP	57					T0=13 02 32.1
			i	07 06					h= 10
			PP	09					M=4.8
			ePPP	21					CSEM
		SOP K Z	eP	13 06 47				18.45	
			esP	57					
129.	02 21	BUD K N	S	17 48 07				10.08	37.46N 20.58E
			SS	24					T0=17 44 17.3
			S#	45					h= 49
									M=5.0
									CSEM

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	Sn	17 48 12					
			iSSS	30					
			eSg	49 19					
		BUD MK Z	eP	17 46 52				10.08	
			e	55					
			ePPP	47 10					
			eP*	32					
			Pg	43					
			SSS	49 06					
		BUD K2 E	eS	17 48 13				10.08	
			eSS	29					
			eSg	49 19					
		SOP MK Z	eP	17 46 45				10.63	
			esP	56					
			PPP	47 13					
			eSS	49 00					
			eSSS	26					
130.	02 21	BUD MK Z	P	20 13 43				76.97	55.91N 161.89W
			PcP	48					T0=20 02 06.0
			epP	14 25					h=167
									Mb=5.0
		SOP MK Z	P	20 13 40	1.1	0.03	+	76.77	
			pP	46					
			esP	14 20					
131.	02 22	BUD K N	e	19 57 12				47.02	32.20N 40.46W
			e	18					T0=19 48 33.5
									h= 10
									M=5.8
									CSEM
		BUD K E	P	19 57 06					
			pP	15					
			isP	24					
			ePcP	58 16					
		BUD MK Z	P	19 57 06	2.1	0.21	-	47.02	
			ipP	12					
			isP	21					
			ePcP	58 19					
			ePP	54					
		BUD K2 E	eP	19 57 06				47.02	
			pP	12					
			esP	24					
		SOP MK Z	P	19 56 49			-	45.35	
			ipP	56					
			sP	57 01					
			i	11					
			ePcP	58 18					
			ePPP	59 24					
132.	02 23	BUD K N	epPKP/A	00 27 19				146.21	15.29S 173.67W
			i	28 20					T0=00 07 18.2

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									h= 33 Mb=4.9
		BUD MK Z	PKP/F	00 27 13	2.0	0.12	+	146.21	
			pPKP/F	22					
			pPKP/A	28					
		BUD K2 E	epPKP/A	00 27 17				146.21	
		SOP MK Z	ePKP/F	00 26 57				146.60	
			PKP2/A	59					
			pPKP/F	27 06					
			pPKP/A	11					
		SOP K Z	ePKP/F	00 27 19				146.60	
			pPKP/F	23					
			pPKP/A	31					
			ePP	30 48					
133.	02 23	SOP MK Z	iPKP/F	00 41 31.6	0.9	0.05	-	151.21	21.96S 179.63W T0=00 22 47.3 h=643 Mb=5.2
			iPKP2/A	43					
134.	02 23	BUD MK Z	eP	06 42 35	0.9	0.01		36.55	38.38N 30.09W T0=06 35 27.8 h= 33 Mb=4.5
			pP	43					
			esP	46					
		BUD K2 E	eP	06 42 41				36.55	
			epP	52					
135.	02 24	BUD K N	isP	09 02 09				65.69	11.68S 13.62W T0=08 51 16.6 h= 33 Mb=5.1 Ms=5.5
			PcP	26					
			S	10 33					
			sS	49					
			i	14 21					
			eL	23 34					
			M	27 19	16.2	2.35			
			F	58 47					
		BUD K E	pP	09 02 07					
			PP	04 58					
			iSS	14 46					
			eL	24 12					
			F	49 38					
		BUD MK Z	P	09 02 01				65.69	
			ipP	04					
			sP	24					
			PcP	31					
			i	04 09					
			PP	37					
		BUD K2 E	eP	09 02 09				65.69	
			ePcP	46					
			ePP	04 34					
			PPP	06 38					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eSS	15 50					
			eL	25 23					
			F	42 48					
		SOP MK Z	eP	09 01 54				64.91	
			pP	02 02					
			esP	17					
			ePcP	22					
136.	02 24	BUD K N	iPcP	11 51 56				77.51	42.38N 142.50E
			ipP	52 13					T0=11 40 00.0
			sP	23					h= 75
			PP	55 14					Mb=5.3
			i	56 21					
			eL	12 22 05					
			F	37 35					
		BUD K E	eP	11 51 43					
			iPPP	56 37					
			eL	12 24 38					
			F	39 40					
		BUD MK Z	P	11 51 49	1.8	0.11	-	77.51	
			iPcP	58					
			ipP	52 16					
			i	52					
			iPP	54 11					
		BUD K2 E	eP	11 51 51				77.51	
			pP	52 14					
			esP	35					
			PP	55 42					
			PPP	57 18					
			eL	12 29 36					
			F	37 45					
		SOP MK Z	iP	11 51 45.3	1.9	0.20	+	78.39	
			sP	52 06					
			PP	54 23					
137.	02 24	BUD K2 E	ePP	16 13 29				78.60	61.98N 151.15W
			ePPP	14 39					T0=14 59 27.0
			eL	18 48					h=108
			F	22 54					
138.	02 24	BUD K N	e	16 10 42					
			e	11 56					
			eL	19 10					
			M	20 33	8.0	0.86			
			F	27 38					
		BUD K E	e	16 10 32					
			eL	19 15					
			F	26 53					
139.	02 24	BUD MK Z	iPKP/F	16 29 47.6	0.9	0.02	+	146.79	17.64S 178.89W
			PKP2/A	54					T0=16 11 05.4
									h=543

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									Mb=4.9
140.	02 24	BUD K N	P	20 49 57				10.93	38.63N 27.82E
			sP	50 05					T0=20 47 19.0
			PP	17					h= 10
			i	51 10					M=5.6
			eL	52 43					CSEM
			M	54 35	9.6	3.46			
			F	21 19 01					
		BUD K E	P	20 49 57					
			PP	50 17					
			ePPP	35					
			S	52 12					
			SS	37					
			L	53 21					
			M	54 23	11.2	6.53			
			F	21 22 14					
		BUD MK Z	P	20 49 52				10.93	
			isP	57					
			PP	50 05					
			iPPP	26					
			i	32					
			S	51 49					
			iSS	52 16					
			SSS	37					
			eL	58					
			M	53 33	4.0	1.17			
			F	21 01 35					
		BUD K2 E	eP	20 49 56				10.93	
			ePPP	50 38					
			S	51 55					
			SS	52 13					
			eSSS	53 09					
			i	32					
			eL	50					
			M	54 05	11.6	9.03			
			F	21 10 44					
		SOP MK Z	eP	20 50 11				12.20	
			i	13					
			sP	18					
			PP	31					
			iPPP	35					
			SS	52 58					
			SSS	53 12					
			PcP	55 13					
141.	02 25	BUD K N	eL	02 03 02				119.96	6.20S 147.52E
			F	57 02					T0=01 18 52.8
									h= 52
									Mb=5.9 Ms=5.9
		BUD K E	PP	01 38 51					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SKS/A	43 34					
			F	02 55 02					
		BUD MK Z	ePKP	01 37 38				119.96	
			epPKP	55					
			PP	39 07					
		BUD K2 E	epPKP	01 38 20				119.96	
			ePPP	42 10					
			eL	02 26 12					
			F	45 55					
142.	02 25	BUD K N	eP	04 43 09				27.16	32.85N 49.31E
			esP	42					T0=04 37 22.4
									h= 80
									M=5.3
									CSEM
		BUD K E	pP	04 43 29					
			esP	42					
		BUD MK Z	P	04 42 58			+	27.16	
			ipP	43 14					
			esP	28					
			PP	52					
			PPP	44 04					
		BUD K2 E	epP	04 43 25				27.16	
			esP	41					
143.	02 25	SOP MK Z	iPKP/F	18 40 15.2			+	147.96	17.99S 178.34W
			ePKP2/A	20					T0=18 21 35.2
									h=605
									Mb=4.3
144.	02 26	SOP MK Z	iPKP/F	00 40 20.1			-	150.04	18.95S 174.13W
			epPKP/F	24					T0=00 20 30.6
			ePKP2/A	34					h= 33
			epPKP/A	48					Mb=5.3
145.	02 26	BUD K N	epPKP/A	14 27 43				147.17	17.32S 176.95W
			esPKP/A	28 04					T0=14 07 42.1
									h= 74
									M=4.8
		BUD K E	epPKP/F	14 27 34					
			sPKP/F	46					
		BUD MK Z	ePKP/F	14 27 22				147.17	
			PKP2/A	31					
			i	41					
			pPKP/F	48					
			epPKP/A	54					
			sPKP/A	28 30					
		BUD K2 E	ePKP/F	14 27 45				147.17	
			epPKP/A	28 21					
			esPKP/A	30					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	PKP/F	14 27 25				147.74	
			ePKP2/A	37					
			pPKP/F	47					
			pPKP/A	57					
			sPKP/F	28 02					
			sPKP/A	17					
			PP	31 43					
		SOP K Z	pPKP/F	14 27 40				147.74	
			pPKP/A	44					
			sPKP/F	54					
			sPKP/A	28 29					
146.	02 26	SOP MK Z	i	22 50 38.9					
			e	49					
			e	51 26					
147.	02 27	BUD K N	epP	04 10 37				38.26	37.56N 31.99W
			esP	11 04					T0=04 03 08.3
									h= 10
									M=4.8
									CSEM
		BUD K E	P	04 10 30					
			PP	12 12					
			ePPP	33					
		BUD MK Z	eP	04 10 26				38.26	
			i	30					
			pP	33					
			sP	46					
		BUD K2 E	eP	04 10 30				38.26	
148.	02 27	BUD K N	P	09 29 25				39.78	38.06N 72.68E
									T0=09 21 57.2
									h=112
									M=5.1
									CSEM
		BUD K E	P	09 29 25					
		BUD MK Z	P	09 29 24	0.7	0.01	-	39.78	
			pP	46					
			sP	57					
			PP	31 08					
			ePcP	20					
		BUD K2 E	P	09 29 24				39.78	
		SOP MK Z	iP	09 29 32.9	1.0	0.07	-	41.41	
			i	40					
			ipP	42					
			esP	30 05					
			PcP	51 23					
			PP	40					
			PPP	32 05					
		SOP K Z	P	09 29 34				41.41	
			PcP	31 30					
149.	02 28	SOP MK Z	P	08 52 14				45.56	14.87N 54.95E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pP	21					T0=08 43 55.7
			sP	34					h= 33
									Mb=5.1
		SOP K Z	P	08 52 20				45.56	
			esP	56					
			iPcP	54 01					
150.	02 28	BUD K N	P	17 43 19				44.15	14.81N 55.01E
			isP	48					T0=17 35 06.5
			PPP	45 51					h= 33
			ScS	53 26					M=5.1 M=4.6
			eL	18 04 17					
		BUD K E	P	17 43 19					
			pP	32					
			PP	45 15					
			i	47 46					
			S	49 54					
			SS	52 53					
			eL	18 05 33					
		BUD MK Z	eP	17 43 10				44.15	
			ipP	17					
			esP	29					
			PcP	44 50					
			iPP	45 06					
			ePPP	50					
		BUD K2 E	eP	17 43 16				44.15	
			pP	21					
			ePP	45 15					
			S	49 53					
		SOP MK Z	eP	17 43 26				45.64	
			ipP	31					
			sP	47					
			PcP	45 15					
			ePP	32					
		SOP K Z	iP	17 43 26.1	2.0	0.84	+	45.64	
			pP	38					
			esP	44 15					
			PP	45 36					
			PPP	44					
151.	02 28	BUD K N	epP	18 03 06				77.43	44.62N 146.82E
			sP	11					T0=17 50 54.4
									h= 10
									Mb=5.3 Ms=4.7
		BUD MK Z	P	18 02 52			-	77.43	
			pP	03 05					
			isP	14					
		SOP MK Z	eP	18 02 56				78.22	
			PcP	59					
			pP	03 03					
			sP	09					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
152.	03 01	SOP MK Z	P	01 55 26			+	70.88	7.15S 67.93E
			pP	35					T0=01 44 11.7
			PcP	44					h= 33
									Mb=4.8
153.	03 02	BUD K N	pPKP	05 25 07				144.44	16.37S 177.98E
									T0=05 05 23.6
									h= 33
									Mb=5.5 Ms=5.1
		BUD K E	ePKP	05 24 58					
		BUD MK Z	PKP/F	05 24 59			+	144.44	
			iPKP2/A	25 05					
			ipPKP/F	12					
			pPKP/A	24					
		BUD K2 E	epPKP/A	05 25 21				144.44	
		SOP MK Z	PKP/F	05 24 59				145.21	
			iPKP2/A	25 05					
			pPKP/A	22					
		SOP K Z	PKP/F	05 25 00				145.21	
			ipPKP/F	06					
			pPKP/A	21					
154.	03 02	BUD K N	pP	10 06 54				94.87	6.77N 123.74E
			i	07 11					T0=09 53 23.2
			iPPP	12 38					h= 52
			eL	32 45					Mb=6.1 Ms=6.1
			F	11 56 44					
		BUD K E	iP	10 06 42			+		
			isP	57					
			i	07 08					
			iPP	10 34					
			eL	43 02					
			F	11 48 10					
		BUD MK Z	iP	10 06 41.6	1.6	0.24	+	94.87	
			ipP	47					
			sP	56					
			i	07 10					
			ePP	10 38					
		BUD K2 N	epP	10 06 41				94.87	
			eL	50 47					
			F	11 18 57					
		BUD K2 E	P	10 06 41			-		
			sP	56					
			PP	10 40					
			PPP	12 46					
			PS	19 09					
			eL	48 06					
			F	11 48 34					
		BUD K2 Z	P	10 06 41					
			sP	56					
			PP	10 40					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	52 25					
			F	11 18 31					
		SOP MK Z	P	10 06 48	1.5	0.07	+	96.42	
			ipP	07 03					
			sP	09					
			i	17					
			PP	10 43					
			PPP	13 14					
		SOP K Z	iP	10 06 47.4	3.1	0.98	+	96.42	
			i	08 02					
			PP	11 36					
			PPP	13 05					
			SKS	18 55					
			sS	19 47					
			PPS	21 01					
			SSP	25 27					
			eL	48 34					
			M	11 01 46					
			F	11 41 23					
155.	03 02	BUD K N	e	12 01 13					
			e	16					
			i	28					
		BUD K E	e	12 01 13					
			i	42					
		BUD MK Z	i	12 01 10.2					
			i	15					
			i	20					
		BUD K2 E	e	12 01 14					
			e	33					
			e	42					
156.	03 02	BUD MK Z	i	13 00 36					
			i	46					
			e	01 12					
157.	03 02	SOP MK Z	P	23 22 36				74.28	54.69N 163.65E
			pP	47					T0=23 11 01.8
			sP	56					h= 42
									Mb=5.1
158.	03 04	BUD K N	e	10 28 48					
			i	50					
			F	29 25					
		BUD K E	e	10 28 48					
			F	29 35					
		BUD MK Z	i	10 28 40.0					
			i	45					
			i	47					
		BUD K2 E	e	10 28 46					
			e	48					
			F	29 26					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
159.	03 04	BUD K N	iPn	19 23 18.8			+	5.60	45.78N 26.78E
									T0=19 21 56.4
									h= 96
									M=7.6
									CSEM
		BUD K E	iPn	19 23 18.8			-		
		BUD MK Z	iPn	19 23 16.5			-	5.60	
			iPg	37					
			i	54					
		BUD K2 N	iPn	19 23 19.0			-	5.60	
			i	23					
			i	34					
		BUD K2 E	iPn	19 23 19.0			+		
		BUD K2 Z	iPn	19 23 19.0			+		
			i	27					
			iPg	48					
		BUD UT Z	iPn	19 23 19.0			+	5.60	
		SOP K Z	Pn	19 23 48				7.27	
160.	03 04	BUD MK Z	i	19 52 43					
			i	53 04					
			i	20					
161.	03 04	BUD MK Z	e	20 01 11					
			e	38					
			e	41					
162.	03 05	BUD K N	ePn	00 02 14				5.78	45.50N 26.90E
			iPg	49					T0=00 00 47.0
			iSn	03 20					h= 40
			iSg	51					M=4.9
			M	04 58	4.2	1.46			CSEM
			F	08 04					
		BUD K E	ePn	00 02 14					
			P#	34					
			iPg	49					
			i	03 14					
			eL	36					
			M	05 23	6.0	1.49			
			F	07 57					
		BUD MK Z	Pn	00 02 12	0.9	0.01	+	5.78	
			i	20					
			iPg	32					
			i	52					
			i	03 21					
			i	31					
			e	48					
			eSg	57					
			F	07 08					
163.	03 05	BUD K N	e	00 11 50					
			i	12 08					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	32					
		BUD K E	e	00 11 50					
			i	12 05					
			e	14					
164.	03 05	BUD MK Z	eP*	00 14 52				5.94	45.22N 26.96E
			e	15 41					T0=00 13 08.0
			Sg	16 22					h= 70
									CSEM
165.	03 05	SOP MK Z	S*	13 34 49				6.40	46.54N 7.33E
			e	55					T0=13 31 25.1
			Sg	35 09					h= 33
166.	03 05	SOP MK Z	PKP/F	16 33 54				151.82	23.29S 178.79E
			i	57					T0=16 15 07.3
			pPKP2/A	34 09					h=597
									Mb=5.1
167.	03 07	BUD K N	pP	00 39 52				67.49	39.98N 118.69E
			sP	40 05					T0=00 28 47.4
			PP	42 48					h= 33
			L	01 04 30					Mb=5.3 Ms=5.0
			M	07 01	11.4	3.48			
			F	56 44					
		BUD K E	P	00 39 49					
			ePcP	40 28					
			PPP	44 11					
			L	01 03 53					
			M	10 41	9.6	2.68			
			F	57 01					
		BUD MK Z	eP	00 39 34				67.49	
			epP	45					
			sP	48					
			ePcP	40 12					
			ePP	41 23					
		BUD K2 N	eL	00 04 11				67.49	
			F	29 50					
		BUD K2 E	P	00 39 49					
			ePPP	44 10					
			sS	48 44					
			eL	01 03 33					
			F	22 47					
		BUD K2 Z	eL	01 09 07					
			F	22 49					
		BUD UT Z	ePPP	00 44 24				67.49	
			S	48 46					
			eL	01 04 13					
			F	52 52					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
168.	03 07	BUD K N	eS$	08 22 25				7.73	50.21N 8.05E
			Sg	52					T0=08 18 17.7
									h= 34
									M=4.1
									CSEM
		BUD K E	Sg	08 22 52					
		BUD MK Z	eS$	08 22 07				7.73	
			Sg	28					
			i	45					
		BUD K2 E	eSg	08 22 29				7.73	
		SOP MK Z	Pn	08 19 44				6.14	
			e	46					
			i	52					
			eP$	21 00					
			ePg	14					
			iSn	37					
			iS$	40					
			F	23 47					
169.	03 07	BUD K N	P	09 24 53				78.28	43.10N 145.76E
			esP	25 12					T0=09 12 28.1
									h= 24
									Mb=5,4
		BUD K E	epP	09 24 55					
			ePcP	25 04					
			i	45					
		BUD MK Z	P	09 24 28			+	78.28	
			esP	46					
		SOP MK Z	P	09 24 31	1.0	0.03	+	79.10	
			iPcP	36					
			i	37					
			pP	43					
			sP	25 00					
170.	03 07	SOP MK Z	P	10 49 25			+	59.84	7.43N 35.98W
			pP	32					T0=10 39 20.9
			esP	41					h= 33
			PcP	50 04					Mb=4.9
171.	03 07	SOP MK Z	e	18 31 23					EXP?
			F	32 34					
172.	03 08	SOP MK Z	PKP/F	03 21 15			+	147.70	17.83S 178.71W
			iPKP2/A	20					T0=03 02 32.8
			i	22					h=571
									Mb=5.3
173.	03 08	SOP MK Z	P	13 22 34	1.3	0.03	+	99.23	11.96S 74.20W
			pP	47					T0=13 08 56.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	57					h= 41 Mb=5.6
174.	03 08	BUD K N	Pn	19 19 20				4.47	43.24N 21.02E
			iP*	29					T0=19 18 12.7
			iPg	38					h= 10
			i	56					M=5.0
			iS*	20 30					CSEM
			M	21 47	6.0	1.93			
			F	25 51					
		BUD K E	Pn	19 19 20					
			i	40					
			iSn	20 13					
			iSg	37					
			M	21 45	3.8	2.05			
			F	26 37					
		BUD MK Z	iPn	19 19 19.9	0.6	0.04	+	4.47	
			i	24					
			iP*	31					
			iPg	36					
			iSn	20 14					
			iS*	27					
			L	40					
			M	46	1.3	0.2			
			F	25 12					
		BUD K2 N	ePg	19 19 38				4.47	
			eL	21 27					
			F	25 57					
		BUD K2 E	ePn	19 19 19					
			i	40					
			iSn	20 13					
			S*	28					
			iSg	34					
			F	26 49					
		BUD UT Z	eSn	19 20 08				4.47	
			eS*	27					
			eL	21 15					
			F	25 33					
		SOP MK Z	iPn	19 19 31.6			+	5.43	
			i	39					
			iP*	40					
			iPg	54					
			iSn	20 27					
			S*	49					
			Sg	10					
			F	24 37					
		SOP K Z	Pn	19 19 36				5.43	
			Pg	20 16					
			Sg	21 16					
			L	23					
			F	25 04					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
175.	03 08	SOP MK Z	P	22 59 46	1.1	0.03	+	99.18	12.05S 74.03W
			sP	23 00 20					T0=22 46 04.8
									h= 14
									Mb=5.6
176.	03 08	BUD K N	pP	23 30 03				83.57	0.45N 100.02E
			i	31 12					T0=23 17 28.0
			iS	40 17					h= 22
			iPPS	41 24					Mb=5.5 Ms=6.0
			eL	00 03 39					
			M	21 19	14.6	3.44			
			F	01 16 12					
		BUD K E	isP	23 30 08					
			esS	40 22					
			eL	00 11 12					
			F	53 00					
		BUD MK Z	eP	23 29 55				83.57	
			pP	30 07					
			sP	15					
			PP	33 32					
			PPP	34 38					
		BUD K2 N	eSKS	23 40 18				83.57	
			sS	36					
			eL	00 11 24					
			F	49 07					
		BUD K2 E	eP	23 29 56					
			pP	30 02					
			S	40 25					
			eL	00 11 24					
			F	49 07					
		BUD K2 Z	esP	23 30 13					
		BUD UT Z	esP	23 30 09				83.57	
			eL	53 46					
			M	00 25 11	18.0	1.84			
			F	01 32 28					
		SOP MK Z	P	23 30 05				85.25	
			i	14					
			ipP	17					
			sP	30					
		SOP K Z	P	23 30 04				85.25	
			pP	12					
			sP	34					
			eL	00 15 42					
			F	48 52					
177.	03 09	SOP MK Z	e	00 11 35					
			e	12 16					
			e	37					
178.	03 09	BUD MK Z	P	04 11 28	1.0	0.04	+	78.47	46.42N 153.86E
			pP	37					T0=03 59 27.2
			sP	46					h= 30

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									Mb=5.2
		SOP MK Z	iP	04 11 30.7	1.3	0.06	+	79.12	
			ipP	37					
			sP	57					
			e	12 23					
179.	03 09	BUD MK Z	P	04 27 01	1.0	0.03	-	78.83	46.08N 154.05E
			PcP	07					T0=04 14 58.6
			ipP	12					h= 38
			sP	24					Mb=5.0
		SOP MK Z	iP	04 27 03	1.0	0.03	-	79.48	
			pP	14					
180.	03 09	BUD K N	e	10 40 20				5.92	45.23N 26.94E
			Sg	48					T0=10 37 33.0
			F	44 28					h= 70
		BUD K E	ePn	10 39 02					
			e	40 06					
			F	43 37					
		BUD K2 E	ePg	10 39 37				5.92	
			e	40 42					
			F	43 15					
181.	03 09	BUD K N	e	11 32 32					
			F	49					
		BUD K E	i	11 32 34					
182.	03 09	BUD K N	i	12 24 42					
		BUD K E	e	12 24 37					
			i	39					
			e	49					
183.	03 09	BUD K N	iP	14 38 31.6			-	72.73	41.68N 138.87E
			iPcP	52					T0=14 27 53.6
			i	39 14					h=528
			ipP	40 27					Mb=5.9
			isP	41 20					
			iS	47 09					
			F	16 29 02					
		BUD K E	iP	14 38 31.6			-		
			i	39 06					
			iS	47 09					
			F	16 30 01					
		BUD K2 N	PcP	14 38 52			+	72.73	
			isP	41 26					
			eL	57 25					
			M	15 11 53	13.0	10.56			
			F	43 34					
		BUD K2 E	P	14 38 30			+		

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	59					
			ipP	40 29					
			isP	41 26					
			iPP	43 08					
			iScS	48 08					
			eL	56 24					
			M	15 11 29	11.6	9.03			
		BUD K2 Z	P	14 38 30			+		
			PcP	52					
			ipP	40 29					
			isP	41 26					
			eL	57 39					
			F	15 42 54					
		BUD UT Z	iP	14 38 31.0			+	72.73	
			ipP	40 29					
			isP	41 07					
			i	43					
			iS	47 12					
			sS	50 22					
			SP	40					
			eL	51 51					
			M	58 29	49.6	8.71			
			F	17 09 45					
		SOP MK Z	iP	14 38 34.8			-	73.80	
			iPcP	53					
			i	39 31					
			ipP	40 34					
			isP	41 31					
			PP	42 59					
			PPP	44 25					
			S	47 20					
			SKS	45					
			ScS	49 10					
			sS	51 38					
		SOP K Z	iP	14 38 34.8	4.0	10.7	-	73.80	
			iPcP	57					
			i	39 34					
			ipP	40 32					
			isP	41 59					
			PP	42 50					
			PPP	44 35					
			iS	47 22					
			SS	55 02					
			SSS	57 27					
			eL	15 06 32					
			M	12 35					
184.	03 10	SOP MK Z	P	17 50 06				82.53	17.83N 81.94W
			pP	14					T0=17 37 44.8
			sP	18					h= 33
									Mb=6.9

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
185.	03 11	SOP MK Z	P	07 10 37				85.51	19.13N 121.24E
			ipP	44					T0=06 58 02.3
			esP	11 05					h= 42
									Mb=5.4
		SOP K Z	P	07 10 23				85.51	
			PP	13 40					
186.	03 12	BUD K N	P	03 07 28				55.66	23.70N 45.20W
			pP	38					T0=02 57 50.6
			eL	25 03					h= 33
			M	29 39	17.8	5.58			Mb=5.4 Ms=5.6
			F	04 08 55					
		BUD K E	P	03 07 28					
			isP	46					
			iPcP	08 26					
			ePP	09 20					
			ePPP	10 13					
			eL	27 39					
			F	04 05 57					
		BUD K2 N	eL	03 26 19				55.66	
			F	43 31					
		BUD K2 E	eP	03 07 28					
			esP	47					
			ePcP	08 28					
			PP	09 21					
			PPP	10 38					
			eS	15 10					
			SSP	37					
			eL	27 35					
			F	46 43					
		BUD K2 Z	eP	03 07 28					
			epP	42					
			eL	27 36					
			F	40 46					
		SOP MK Z	iP	03 07 11.5	1.8	0.32	-	54.00	
			ipP	22					
			isP	25					
			i	43					
			PcP	08 19					
			iPP	09 23					
			PPP	10 24					
		SOP K Z	iP	03 07 13.5			-	54.00	
			pP	25					
			sP	32					
			PcP	08 13					
			PP	57					
			PPP	10 05					
			sS	14 57					
			eL	25 42					
			F	48 52					
187.	03 13	SOP MK Z	PKP/F	17 53 31	1.8	0.10	-	146.59	15.01S 172.31W

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PKP2/A	35					T0=17 33 48.3
			pPKP/F	39					h= 13
			pPKP/A	56					Mb=5.0
188.	03 13	SOP MK Z	iP	21 27 43.0	1.0	0.02	-	96.51	8.03S 74.40W
			i	46					T0=21 14 32.2
			epP	28 22					h=161
			esP	39					Mb=5.1
189.	03 14	SOP MK Z	PKP/F	19 21 48				150.47	20.73S 178.50W
			i	54					T0=19 03 07.8
			iPKP2/A	22 03					h=577
			i	45					Mb=5.4
			pPKP/F	24 12					
			pPKP/A	18					
			sPKP/F	25 06					
			sPKP/A	34					
		SOP K Z	PKP/F	19 21 48				150.47	
			PKP2/A	22 04					
			pPKP/A	24 18					
190.	03 15	SOP MK Z	iP	01 11 10.3	1.6	0.07	-	56.43	31.35N 89.33E
			sP	39					T0=01 01 39.9
			ePcP	12 05					h= 33
									Mb=4.7
191.	03 15	SOP MK Z	ePn	02 01 33				5.82	19.49N 42.24E
			P*	41					T0=02 00 07.2
			Pg	54					h= 10
			eSn	02 35					M=4.1
			S*	54					CSEM
			Sg	03 18					
192.	03 15	SOP MK Z	PKP/F	04 31 40				146.59	15.18S 173.21W
			pPKP/A	55					T0=04 11 51.2
									h= 32
									Mb=5.3
193.	03 15	BUD UT Z	eP	09 13 57				108.41	4.95S 131.00E
			PS	23 09					T0=08 54 58.8
			SPP	24 50					h= 41
			SSP	29 27					Mb=5.8 Ms=5.6
			eL	33 49					
			F	10 41 02					
		SOP MK Z	ePP	09 14 03				109.98	
194.	03 15	BUD UT Z	PPP	20 02 07				149.22	19.82S 177.71W
			PPS	11 20					T0=19 34 22.5
			eL	43 11					h=432

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	22 22 26					Mb=4.8
195.	03 15	BUD MK Z	ePKP	20 14 42				124.43	6.37S 154.96E
			epPKP	51					T0=19 55 42.6
									h= 31
									Mb=5.5 Ms=5.8
		SOP MK Z	PKP	20 14 43				125.99	
196.	03 15	BUD K N	e	20 34 37					
			e	35 57					
			e	36 28					
			eL	21 04 25					
			F	22 43 01					
197.	03 15	SOP MK Z	PKP/F	22 55 22				155.97	25.45S 175.09W
			epPKP/F	28					T0=22 34 59.4
			PKP2/A	47					h= 33
			pPKP/A	56 01					Mb=5.0
198.	03 16	BUD K N	eP	00 05 46				65.22	25.79N 99.50E
			ePP	08 27					T0=23 55 01.6
			eL	33 08					h= 33
			F	47 30					Mb=5.1 Ms=4.7
		BUD K E	eP	00 05 46					
		BUD MK Z	eP	00 05 43				65.22	
			pP	54					
			sP	06 02					
			PcP	12					
			ePP	08 16					
199.	03 17	BUD MK Z	iPg	17 55 03.9	0.7	0.03	+	0.81	46.56N 18.38E
			L	15					T0=17 54 42.8
			M	19	0.8	0.06			h= 16
			F	58 27					
									HUNGARY (TAMASI)
		SOP MK Z	Pg	17 55 15				1.26	
			e	32					
200.	03 17	BUD MK Z	iPg	18 01 37.2	0.6	0.07	+	0.81	46.56N 18.38E
			L	51					T0=18 01 16.1
			M	55	0.6	0.08			h= 16
			F	03 16					
									HUNGARY (TAMASI)
		SOP MK Z	Pg	18 01 47				1.26	
			e	02 34					
			F	04 32					
201.	03 18	BUD K N	i	11 41 58					
			i	42 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	i	11 41 56					
			i	58					
			i	42 06					
202.	03 18	BUD K N	ipP	21 56 37				86.48	16.77N 122.32E
			isP	46					T0=21 43 52.4
									h= 37
									Mb=6.2 Ms=7.0
		BUD K E	P	21 56 34					
			iPcP	44					
		BUD MK Z	iP	21 56 33.6	1.7	0.75	+	86.48	
			ipP	44					
			PP	59 47					
			PPP	22 02 24					
		BUD K2 N	i	21 56 36				86.48	
			isP	48					
			S	22 07 14					
			eL	14 02					
			M	39 48	15.8	71.91			
			F	00 24 51					
		BUD K2 E	i	21 56 36			+		
			iPP	22 00 00					
			iPPP	01 12					
			isS	07 18					
			PS	42					
			iSSP	08 41					
			eL	13 38					
			M	40 29	15.8	67.03			
		BUD K2 Z	P	21 56 34			-		
			ipP	40					
			iPPP	22 01 12					
			eL	17 37					
			F	00 25 44					
		BUD UT Z	P	21 56 34	19.6	18.45	-	86.48	
			iPP	22 00 03					
			i	03 33					
			iPS	08 10					
		SOP MK Z	iP	21 56 38.6	1.9	0.23	+	87.96	
			ipP	50					
			sP	55					
			PP	22 00 05					
			PPP	02 09					
			SKS	06 45					
			PS	08 22					
		SOP K Z	iP	21 56 40.6				87.96	
			ipP	47					
			isP	59					
			i	57 13					
			i	22 01 04					
			PPP	22					
			eL	22 29 23					
			F	01 06 52					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
203.	03 18	BUD MK Z	P	22 22 34				83.38	19.00N 120.03E
			pP	49					T0=22 10 29.3
			sP	23 04					h= 33
									Mb=4.9
		SOP MK Z	eP	22 22 18				84.85	
			pP	33					
			sP	41					
204.	03 18	BUD MK Z	P	22 46 44				86.50	16.61N 122.16E
			i	46					T0=22 34 00.7
			epP	56					h= 33
			esP	47 06					Mb=5.2
205.	03 18	BUD MK Z	eP	22 50 41				86.48	16.94N 122.52E
			epP	46					T0=22 38 00.0
			esP	55					h= 33
									Mb=5.0
206.	03 18	BUD K E	P	00 10 22				86.62	16.67N 122.52E
			pP	32					T0=23 57 38.1
			isP	55					h= 33
									Mb=5.3
		BUD MK Z	P	00 10 21	1.8	0.20	+	86.62	
			ipP	33					
			esP	43					
		BUD K2 E	P	00 10 22			+	86.62	
			esP	41					
		SOP MK Z	P	00 10 27	0.6	0.01		88.09	
			epP	38					
207.	03 19	BUD K N	P	00 53 52				86.52	16.83N 122.45E
			esP	54 12					T0=00 41 08.7
									h= 33
									Mb=5.2
		BUD K E	P	00 53 52					
			e	55 11					
		BUD MK Z	P	00 53 51	1.2	0.08	+	86.52	
			sP	54 14					
208.	03 19	BUD K E	iP	02 05 59.2			-	86.28	17.13N 122.43E
			ipP	06 06					T0=01 53 19.2
			sP	22					h= 49
									Mb=5.3
		BUD MK Z	iP	02 05 56.5	1.3	0.11	+	86.28	
			ipP	06 03					
			isP	14					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 E	P	02 05 59				86.28	
			epP	06 03					
			esP	19					
		SOP MK Z	P	02 06 05			+	87.75	
			pP	20					
			sP	26					
209.	03 19	BUD K E	eP	03 15 24				86.32	17.14N 122.50E
			pP	31					T0=03 02 42.6
			sP	49					h= 34
									Mb=5.1
		BUD MK Z	iP	03 15 24.6	1.0	0.05	+	86.32	
			pP	31					
			sP	40					
			i	16 03					
		BUD K2 E	eP	03 15 24				86.32	
			pP	31					
			sP	42					
		SOP MK Z	P	03 15 29				87.79	
			pP	41					
			esP	16 06					
210.	03 19	BUD MK Z	ePKP/F	09 42 10				148.25	17.72S 174.68W
			ePKP2/A	22					T0=09 22 42.4
									h=176
									Mb=5.1
		SOP MK Z	iPKP/F	09 42 10.5	1.7	0.11	-	148.72	
			iPKP/A	15					
211.	03 19	BUD K N	iP	11 08 21.4			+	78.32	44.20N 148.19E
			ipP	37					T0=10 56 25.1
			isP	50					h= 70
			i	09 32					Mb=6.0
			iSKS	18 14					
			PS	19 10					
			SPP	31					
			eL	40 42					
			M	46 01	20.0	3.51			
			F	12 09 01					
		BUD K E	iP	11 08 21.4					
			iPcP	34					
			isP	50					
			i	09 06					
			eL	45 25					
			F	12 07 27					
		BUD MK Z	iP	11 08 21.0	1.5	1.13	+	78.32	
			iPcP	31					
			ipP	44					
			isP	56					
			ePP	11 33					
		BUD K2 N	ePcP	11 08 22				78.32	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			S	10 14					
			eL	45 16					
		BUD K2 E	iP	11 08 21.0			-		
			pP	33					
			isP	51					
			i	09 06					
			ePPP	13 35					
			S	18 14					
			sS	48					
			eL	46 04					
		BUD K2 Z	iP	11 08 21.0			-		
			S	18 14					
			eL	45 16					
		BUD UT Z	P	11 08 21			-	78.32	
			PcP	40					
			esP	09 09					
			eSKS	18 15					
			eL	35 48					
			M	45 56	20.6	2.69			
			F	12 05 38					
		SOP MK Z	iP	11 08 23.0				79.08	
			isP	44					
			PP	11 36					
		SOP K Z	iP	11 08 23.5				79.08	
			ipP	40					
			esP	09 12					
			eL	45 42					
212.	03 19	BUD K N	eP	12 29 49				86.67	16.60N 122.42E
			pP	30 07					T0=12 17 03.6
			sP	14					h= 33
									Mb=5.4 Ms=4.5
		BUD K E	eP	12 29 49					
			i	30 14					
			e	56					
		BUD MK Z	iP	12 29 47.2	1.2	0.08	-	86.67	
			epP	54					
			isP	30 08					
		BUD K2 E	P	12 29 48				86.67	
			epP	54					
			esP	30 05					
		BUD K2 Z	P	12 29 48					
		BUD K2 E	eP	13 08 48				86.67	
			epP	53					
		SOP MK Z	eP	12 29 55				88.15	
			epP	30 06					
			esP	17					
213.	03 19	BUD K N	P	13 08 50				86.66	16.65N 122.46E
			isP	09 13					T0=12 56 03.7
			PP	12 29					h= 33
			isS	19 51					Mb=5.3 Ms=5.1

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	45 49					
			F	14 21 45					
		BUD K E	P	13 08 50					
			i	09 40					
			i	11 49					
			e	12 37					
			iPPP	14 45					
			S	19 24					
			iPS	20 20					
			eL	47 26					
			F	14 26 32					
		BUD UT Z	P	13 08 48			+	86.66	
			ePP	12 25					
			eL	40 24					
			F	14 27 47					
		SOP MK Z	eP	13 08 54				88.14	
			epP	09 03					
			esP	15					
214.	03 19	BUD K N	pP	19 47 54				86.47	16.81N 122.35E
			isP	48 06					T0=19 35 08.0
			i	53					h= 39
			i	51 52					Mb=5.6 Ms=5.8
			S	58 23					
			i	43					
			eL	20 17 38					
			M	29 27	17.2	5.46			
		BUD K E	iP	19 47 51					
			isP	48 06					
			i	13					
			i	45					
			i	53					
			PP	51 08					
			PPP	53 10					
			isS	58 38					
			iPS	59 12					
			eL	20 23 11					
		BUD MK Z	iP	19 47 50.0	1.1	0.14	+	86.47	
			ipP	55					
			isP	48 11					
			ePP	51 15					
			ePPP	52 33					
		BUD K2 N	epP	19 47 55				86.47	
			S	58 25					
			eL	20 23 18					
			F	52 33					
		BUD K2 E	P	19 47 50			-		
			esP	48 05					
			i	14					
			ePP	50 52					
			S	58 25					
			esS	36					
			eL	20 23 06					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	58 29					
		BUD K2 Z	P	19 47 50					
			i	53					
			esP	48 05					
			eL	20 28 33					
			F	54 55					
		BUD UT Z	P	19 47 53			-	86.47	
			PP	51 17					
			PS	59 27					
			eSS	20 03 53					
			eL	08 42					
			M	30 37	20.1	2.80			
			F	21 28 55					
		SOP MK Z	iP	19 47 55.4			+	87.95	
			ipP	48 00					
			isP	20					
		SOP K Z	P	19 47 55.5				87.95	
			ipP	58					
			esP	48 24					
			PP	51 15					
			PPP	53 18					
			SS	58 40					
			SSS	20 08 06					
			eL	23 38					
			F	21 15 36					
215.	03 19	BUD K N	i	20 51 45				6.72	41.73N 23.90E
			eS$	52 38					T0=20 49 12.7
			eSg	58					h=
			e	53 18					M=3.2
			e	46					CSEM
		BUD K E	eP$	20 51 09					
			e	53 04					
			i	51					
		BUD MK Z	ePn	20 50 51				6.72	
			e	58					
			P$	51 09					
			Pg	17					
			eSg	52 43					
		BUD K2 E	eP$	20 51 18				6.72	
			eSg	53 03					
		SOP MK Z	Pn	20 51 09				7.92	
			e	25					
			P$	33					
			Pg	52 00					
			e	31					
			Sn	39					
			S$	53 11					
216.	03 19	BUD K N	e	23 20 54				148.94	21.93S 138.95W
									T0=23 00 58.2
									h= 0
									Mb=5.9 Ms=5.5

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									EXP.
		BUD K E	PKP/F	23 20 51					
			PKP2/A	56					
			ipPKP/F	21 10					
			ipPKP/A	14					
			PP	24 26					
		BUD MK Z	PKP/F	23 20 48			-	148.94	
			a	52	0.9	0.1			
			ipPKP/F	21 05					
			ipPKP/A	14					
		BUD K2 E	ePKP2/A	23 20 53				148.94	
			pPKP/F	56					
			pPKP/A	21 11					
		BUD K2 Z	ePKP/F	23 20 51					
		SOP MK Z	PKP/F	23 20 43	1.1	0.03	+	147.63	
			iPKP2/A	46					
			ipPKP/F	58					
			ipPKP/A	21 03					
			i	15					
			iPP	24 00					
217.	03 20	BUD K N	ePg	07 42 55				4.14	43.35N 18.64E
			Sn	43 26					T0=07 41 38.1
			eL	44 31					h= 33
			M	38	7.6	0.57			Mb=5.7
			F	48 51					
		BUD K E	eP*	07 42 48					
			Sn	43 26					
			S*	38					
			i	44					
			iSg	51					
			eL	44 08					
			M	28	9.6	1.38			
			F	51 15					
		BUD MK Z	ePn	07 42 40				4.14	
			iP*	50					
			iPg	58					
			S*	43 38					
			Sg	51					
		BUD K2 E	ePg	07 43 20				4.14	
			Sn	52					
			S*	44 07					
			Sg	17					
			i	25					
			eL	37					
			F	47 45					
		SOP MK Z	Pn	07 42 44			-	4.57	
			iP*	54					
			Pg	43 09					
			i	12					
			Sn	37					
			Sg	44 09					
		SOP K Z	Sg	07 44 09				4.57	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	40					
			F	48 10					
218.	03 20	SOP MK Z	e	16 02 29					EXP?
			F	04 04					
219.	03 21	BUD K N	e	05 33 39					
			eL	37 28					
		BUD K E	e	05 37 31					
			e	40 05					
220.	03 21	BUD K N	iP	21 25 53.7			-	35.14	27.66N 56.36E
			isP	26 14					T0=21 18 59.8
			i	26					h= 57
									M=7.2
									CSEM
		BUD MK Z	P	21 25 50				35.14	
			ipP	26 07					
			isP	23					
			iPP	27 18					
			iPPP	31					
			iPcP	28 15					
			S	31 25					
			isS	43					
			SS	33 41					
		BUD K2 N	iP	21 25 52.0			+	35.14	
			isP	26 14					
			i	27					
			eL	34 24					
			M	43 07	24.0	373.07			
			F	23 37 53					
		BUD K2 E	iP	21 25 52.0			-		
			isP	26 14					
			i	41					
			iPPP	27 45					
			iPcP	28 18					
			eL	34 25					
			M	43 33	12.2	67.74			
			F	23 34 45					
		BUD K2 Z	iP	21 25 52.0			-		
			isP	26 14					
			iPP	27 19					
			i	53					
			S	31 27					
			eL	34 26					
			F	23 34 45					
		BUD UT Z	iP	21 25 53.1	11.8	10.15	-	35.14	
			isP	26 15					
			i	26					
			iPP	27 10					
			iPPP	52					
			iS	31 15					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
221.	03 21	BUD MK Z	iP	21 40 15.1	1.0	0.03	+	35.14	27.59N 56.27E
			ipP	24					T0=21 33 25.1
			isP	45					h= 70
			PcP	42 37					M=5.6
									CSEM
222.	03 21	BUD MK Z	P	21 50 37				35.17	27.62N 56.35E
			pP	42					T0=21 51 39.3
			sP	51					h= 33
									Mb=4.9
223.	03 21	BUD K N	iP	22 49 05.2			+	35.12	27.74N 56.41E
			ipP	25					T0=22 42 13.5
			isP	34					h= 71
			i	50 06					M=6.4
			iPPP	48					CSEM
		BUD MK Z	iP	22 49 03.9	1.3	0.30	+	35.12	
			i	08					
			ipP	15					
			isP	21					
			PP	50 35					
			iPPP	44					
			iPcP	51 29					
			eS	54 32					
			sS	55 06					
		BUD K2 N	P	22 49 04				35.12	
			PP	50 37					
			PPP	48					
		BUD K2 E	P	22 49 04			-		
			ipP	19					
			isP	42					
			i	50 12					
			iPcP	51 52					
		BUD K2 Z	P	22 49 04			-		
			ipP	19					
			isP	42					
			i	49					
			PP	50 37					
224.	03 22	BUD MK Z	PKP/F	02 42 41			-	159.54	33.60S 179.10E
			iPKP2/A	43 22					T0=02 23 17.8
			pPKP/F	44 12					h= 336
			esPKP/F	40					Mb=5.6
			sPKP/A	45 23					
		BUD K2 E	ePKP2/A	02 43 08				159.54	
			pPKP/F	44 03					
			pPKP/A	39					
		BUD UT Z	PKP/F	02 42 41				159.54	
			ePP	47 11					
225.	03 22	BUD K N	P	02 32 57				35.04	27.67N 56.21E
			epP	33 06					T0=02 26 05.1

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			isP	49					h= 73 M=5.5 CSEM
		BUD MK Z	P	02 32 55				35.04	
			epP	33 12					
			esP	25					
		BUD K2 E	P	02 32 57				35.04	
			ePP	34 33					
226.	03 22	BUD K N	iP	02 49 06				35.15	27.58N 56.29E T0=02 42 13.4 h= 68 M=5.2 CSEM
		BUD MK Z	P	02 49 05			-	35.15	
			sP	37					
			PP	50 34					
		BUD K2 E	P	02 49 07				35.15	
227.	03 22	BUD K N	P	04 22 38				66.89	12.52S 14.72W T0=04 11 37.7 h= 33 Mb=5.1 Ms=4.7
			ipP	47					
			PcP	23 21					
		BUD MK Z	eP	04 22 33				66.89	
			epP	39					
			isP	44					
			PcP	51					
		BUD K2 E	eP	04 22 35				66.89	
			esP	53					
228.	03 22	BUD K N	P	09 21 36				35.21	27.64N 56.45E T0=09 14 48.1 h= 86 M=5.3 CSEM
			sP	22 14					
			i	25					
			PP	23 18					
			iPPP	37					
			PcP	24 12					
			S	27 07					
			sS	49					
			eSS	29 44					
			eL	30 50					
			F	10 06 29					
		BUD MK Z	P	09 21 34	0.9	0.01	-	35.21	
			ipP	57					
			sP	22 11					
			i	15					
			PPP	23 38					
			iPcP	58					
		BUD K2 E	eP	09 21 36				35.21	
			epP	22 04					
			isP	24					
			PP	23 05					
			iPPP	36					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sS	27 51					
			ScS	31 47					
			eL	36 06					
			M	39 54	13.8	4.0			
			F	57 53					
		BUD UT Z	esP	09 22 16				35.21	
			ePPP	23 42					
			esS	28 12					
			eL	27					
			M	38 03	20.6	1.95			
			F	10 27 24					
229.	03 22	BUD K N	e	11 44 32					
			e	45 11					
		BUD MK Z	i	11 44 30					
			i	46					
			i	45 53					
230.	03 22	BUD K N	iP	12 04 26.2			+	35.26	27.62N 56.50E
			ipP	37					T0=11 57 35.2
			IsP	56					h= 58
			PP	05 32					M=6.7
			iPPP	06 07					CSEM
			iPcP	45					
			iS	09 58					
			isS	10 10					
			eL	12 42					
			M	21 37	12.2	11.65			
			F	13 54 01					
		BUD MK Z	iP	12 04 24.8			+	35.26	
			i	33					
			ipP	37					
			isP	45					
			PP	05 51					
			iPPP	06 14					
			iPcP	58					
			iS	09 56					
			sS	10 04					
		BUD K2 N	P	12 04 25				35.26	
			epP	31					
			esP	38					
			ePPP	06 08					
			eL	13 47					
			M	21 32	14.8	11.05			
			F	13 00 55					
		BUD K2 E	P	12 04 25					
			esP	38					
			i	56					
			iPP	05 53					
			ePcP	06 26					
			iS	09 57					
			ScS	10 13					
			eL	13 05					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	22 10	14.8	14.81			
			F	13 04 18					
		BUD UT Z	P	12 04 26				35.26	
			iPP	05 54					
			S	09 58					
			i	11 05					
			iSSS	12 43					
			eL	14 44					
			M	22 08	16.4	13.50			
			F	13 48 15					
231.	03 22	BUD K N	eP	12 39 23				35.32	27.66N 56.64E
			epP	35					T0=12 33 03.3
									h= 99
									M=5.2
									CSEM
		BUD MK Z	iP	12 39 49.0				35.32	
			sP	40 20					
			ePP	53					
		SOP MK Z	P	12 40 01				36.96	
			pP	21					
		SOP K Z	eP	12 40 01				36.96	
			epP	08					
232.	03 22	BUD K N	eP	21 37 54				35.09	27.84N 56.48E
			epP	38 04					T0=21 31 08.4
			eSSS	46 40					h= 70
			eL	53 39					M=5.2
			F	22 11 02					CSEM
		BUD MK Z	P	21 37 54				35.09	
			ipP	38 11					
			sP	24					
			PP	39 23					
		BUD K2 E	eP	21 37 59				35.09	
			epP	38 22					
			esP	33					
			ePP	39 25					
		SOP MK Z	iP	21 38 08.2	1.4	0.07	+	36.74	
			i	16					
			pP	23					
			esP	38					
			ePP	39 25					
		SOP K Z	eP	21 38 08				36.74	
			epP	12					
			esP	41					
233.	03 23	BUD K N	P	00 24 43				35.18	27.65N 56.40E
			epP	25 12					T0=00 17 57.0
			esP	29					h= 72
									M=5.0
									CSEM
		BUD MK Z	P	00 24 45	1.1	0.02	+	35.18	
			i	52					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			epP	25 04					
			esP	19					
		BUD K2 E	P	00 24 45				35.18	
			epP	25 07					
			esP	22					
		SOP MK Z	iP	00 24 58.2			-	36.81	
			pP	25 12					
			sP	25					
			ePP	26 30					
		SOP K Z	eP	00 24 56				36.81	
			epP	25 08					
			esP	32					
234.	03 23	BUD MK Z	P	02 23 41	0.8	0.007	-	86.44	6.79N 73.04W
			pP	24 22					T0=02 11 14.6
			esP	33					h=164
									Mb=5.5
		SOP MK Z	P	02 23 30	1.2	0.03	+	84.76	
			pP	24 12					
			sP	32					
		SOP K Z	eP	02 23 30				84.76	
			pP	24 22					
			sP	31					
235.	03 23	BUD MK Z	eP	02 38 32				35.25	27.68N 56.55E
			esP	39 11					T0=02 31 44.2
									h= 84
									M=5.2
									CSEM
		SOP MK Z	eP	02 38 41				36.89	
			i	47					
			pP	39 01					
			sP	15					
		SOP K Z	P	07 38 44				36.89	
			pP	52					
			sP	39 28					
			PP	40 01					
			PPP	41 12					
			sS	44 41					
			SS	47 20					
			SSS	45					
			ScS	49 17					
			eL	00 37 55					
236.	03 23	BUD K N	P	03 58 04				78.51	43.36N 146.89E
			ePcP	15					T0=03 46 01.3
			sP	20					h= 36
									Mb=5.3 Ms=4.6
		BUD MK Z	iP	03 58 03.0	1.0	0.03	-	78.51	
			PcP	12					
			pP	18					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			isP	35					
		BUD K2 E	eP	03 58 03				78.51	
			pP	12					
		SOP MK Z	P	03 58 05	1.4	0.07		79.31	
			pP	15					
			sP	22					
237.	03 23	SOP MK Z	PKP/F	05 20 16				145.01	14.80S 178.15W
			PKP2/A	30					T0=05 00 41.0
									h= 33
									Mb=5.0
		SOP K Z	ePKP/F	05 20 16				145.01	
			PKP2/A	33					
			pPKP/F	44					
			sPKP/A	21 09					
238.	03 23	SOP MK Z	ePKP/F	07 38 41				144.75	14.46S 177.94W
			PKP2/A	46					T0=07 19 11.1
			ePP	42 04					h= 33
									Mb=5.5
239.	03 23	SOP MK Z	P	07 54 03	1.7	0.16	+	36.77	27.70N 56.38E
			i	09					T0=07 47 04.1
			pP	23					h= 76
			esP	41					M=5.6
									CSEM
		SOP K Z	P	07 54 04				36.77	
			pP	16					
240.	03 23	BUD K N	PKP	17 29 59				144.13	14.42S 177.95W
			ipPKP	30 16					T0=17 10 19.5
			i	43					h= 2
			eL	54 29					Mb=5.6 Ms=6.0
			F	19 41 28					
		BUD K E	PKP	17 29 59					
			i	30 36					
			eL	56 50					
		BUD MK Z	PKP	17 29 58				144.13	
			i	30 04					
			pPKP	12					
		BUD K2 E	ePKP	17 29 59				144.13	
			PP	33 29					
		BUD K2 Z	ePKP	17 29 59					
			epPKP	30 16					
		BUD UT Z	ePKP	17 29 59				144.13	
			PP	33 23					
			ePPP	36 37					
			eL	18 09 13					
			M	27 48	28.4	3.50			
			F	19 42 31					
		SOP MK Z	iPKP/F	17 29 59.2	2.2	0.49	-	144.71	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipPKP/F	30 04					
			ipPKP/A	12					
			i	20					
			PP	33 23					
		SOP K Z	PKP	17 29 57				144.71	
			ipPKP	30 18					
			PP	32 56					
			PPP	40 26					
			sSKS	41 20					
			PPS	49 24					
			eL	18 29 10					
			M	39 02					
			F	19 03 26					
241.	03 23	BUD K N	ePKP/F	19 17 12				146.04	15.00S 173.24W
									T0=10 57 36.6
									h= 33
									Mb=5.1
		BUD K E	pPKP/F	19 17 27					
		BUD MK Z	PKP/F	19 17 14	1.0	0.02	-	146.04	
			PKP2/A	23					
			pPKP/F	26					
			pPKP/A	31					
		BUD K2 E	ePKP/F	19 17 30				146.04	
			pPKP/F	39					
			pPKP/A	42					
		SOP MK Z	iPKP/F	19 17 13.2			-	146.42	
			ipPKP/F	27					
			ipPKP/A	37					
			i	42					
		SOP K Z	PKP/F	19 17 15				146.42	
			pPKP/F	28					
			pPKP/A	39					
242.	03 23	BUD K N	eP	20 47 51				35.29	27.54N 56.46E
			esP	48 20					T0=20 41 02.9
									h= 71
									M=5.3
									CSEM
		BUD K E	epP	20 48 15					
		BUD MK Z	P	20 47 51	1.0	0.02	+	35.29	
			i	55					
			pP	48 14					
			sP	32					
		SOP MK Z	iP	20 48 04.2	1.3	0.07	+	36.93	
			i	09					
			pP	21					
			isP	27					
			ePP	49 20					
		SOP K Z	P	20 48 04				36.93	
			pP	33					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
243.	83 23	BUD K N	P	23 58 10				35.22	27.73N 56.56E
			ipP	20					T0=23 51 21.7
			i	32					h= 65
			PPP	00 00 28					M=6.2
			S	03 42					CSEM
			eL	08 08					
			M	15 25	14.4	3.34			
			F	01 06 34					
		BUD K E	P	23 58 10					
			i	13					
			iPP	59 34					
			iPcP	00 00 43					
			S	03 42					
			esS	04 20					
			eL	08 02					
			M	15 45	10.2	2.09			
			F	57 18					
		BUD MK Z	iP	23 58 10.9	1.2	0.02	+	35.22	
			i	13					
			pP	28					
			isP	37					
			PP	59 32					
			iPcP	00 00 41					
		BUD K2 N	eP	23 58 12				35.22	
			S	00 03 45					
			eL	07 36					
			F	43 31					
		BUD K2 E	eP	23 58 12					
			epP	26					
			sP	45					
			i	59 34					
			S	00 03 45					
			eSSS	06 40					
			eL	08 11					
			F	45 52					
		BUD K2 Z	eP	23 58 12					
			sP	45					
			i	59 34					
			iPP	41					
			S	00 03 45					
			esS	04 06					
			eL	08 30					
			F	42 56					
		BUD UT Z	P	23 58 11			-	35.22	
			ePP	59 34					
			S	00 03 46					
			esS	04 27					
			eL	08 08					
			M	13 16	20.0	2.27			
			F	59 31					
		SOP MK Z	iP	23 58 22.2			+	36.86	
			i	33					
			ipP	44					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	56					
			iPP	59 56					
			PPP	00 00 16					
			iPcP	46					
			S	02 05					
			sS	57					
		SOP K Z	iP	23 58 21.5				36.86	
			ipP	35					
			sP	41					
			i	56					
			PP	59 54					
			PPP	00 00 40					
			isP	04 06					
			SS	06 08					
			SSS	07 07					
			ScS	08 41					
			eL	16 25					
			F	57 02					
244.	03 24	BUD MK Z	eP	00 11 44				35.18	27.76N 56.52E
			epP	56					T0=00 04 56.1
									h= 70
									M=5.2
									CSEM
245.	03 24	BUD K N	eP	00 20 45				35.18	27.69N 56.45E
			pP	21 09					T0=00 13 57.1
			sP	23					h= 65
									M=4.9
									CSEM
		BUD K E	ePP	00 22 12					
		BUD MK Z	P	00 20 46			+	35.18	
			i	49					
			ipP	56					
			isP	21 12					
			ePP	22 08					
			ePPP	47					
			ePcP	23 17					
		BUD K2 E	P	00 20 46				35.18	
			epP	21 07					
			esP	19					
			ePP	22 07					
			ePPP	27					
		SOP MK Z	iP	00 20 58.1			+	36.82	
			i	21 07					
			ipP	09					
			isP	22					
			PP	22 35					
			PcP	39					
		SOP K Z	P	00 20 59				36.82	
			pP	21 14					
246.	03 24	BUD K N	P	04 49 21				35.25	27.69N 56.56E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	52					T0=04 42 30.2
			ePPP	50 48					h= 63
									M=5.7
									CSEM
		BUD K E	P	04 49 21					
			ipP	32					
			ePP	50 44					
		BUD MK Z	iP	04 49 20.2	1.0	0.05	-	35.25	
			ipP	27					
			sP	31					
			i	39					
			ePP	50 37					
			ePPP	51 05					
			ePcP	48					
		SOP K Z	P	04 49 31				36.89	
			epP	38					
			ePP	51 07					
247.	03 24	BUD K N	Pn	07 33 38				4.45	51.49N 16.05E
			iPg	52					T0=07 32 26.7
			i	34 04					h= 1
			iSn	30					M=4.5
			iS$	38					CSEM
			eL	35 16					
			M	26	7.6	1.05			
			F	40 46					
		BUD K E	Pn	07 33 38					
			eP$	46					
			i	34 04					
			iSg	52					
			eL	35 07					
			M	52	6.0	1.20			
			F	40 34					
		BUD MK Z	Pn	07 33 37	0.8	0.01	-	4.45	
			P$	45					
			Pg	58					
			i	34 13					
			iSn	29					
			iSg	51					
		BUD K2 E	ePn	07 33 40				4.45	
			P$	45					
			iSn	34 32					
			i	40					
			iS$	46					
			iSg	53					
			eL	35 50					
			F	39 55					
		SOP MK Z	Pn	07 33 25			+	3.82	
			iP$	29					
			i	35					
			iPg	39					
			iSn	34 06					
			iS$	20					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eSg	33					
			F	41 52					
		SOP K Z	Pn	07 33 26				3.82	
			Pg	40					
			Sn	34 12					
			S$	22					
			Sg	32					
			eL	35 18					
			F	39 34					
248.	03 24	BUD MK Z	P	19 46 17				86.66	16.73N 122.56E
			esP	41					T0=19 33 33.0
									h= 33
									Mb=5.1
249.	03 25	SOP MK Z	iP	23 02 27.1	1.1	0.05	+	36.83	27.78N 56.56E
			pP	47					T0=22 55 28.6
			esP	03 06					h= 79
									M=5.3
									CSEM
250.	03 26	SOP MK Z	P	00 39 43	1.5	0.09	+	36.99	27.56N 56.58E
			pP	47					T0=00 32 37.7
			esP	40 02					h= 47
									Mb=4.9
251.	03 26	BUD K N	iP	04 48 26				80.41	52.29N 168.25W
			iPcP	38					T0=04 36 14.7
			sP	45					h= 38
			i	49 25					Mb=5.7 Ms=6.0
			PPP	52 52					
			iS	58 30					
			sS	38					
			eL	05 07 20					
			M	34 13	14.6	6.72			
		BUD K E	P	04 48 24					
			iPcP	38					
			i	49 03					
			PP	51 26					
			SKS	58 35					
			iPS	59 14					
			eL	05 10 57					
		BUD MK Z	iP	04 48 25.4	1.1	0.34	+	80.41	
			iPcP	37					
			isP	48					
			i	53					
			ePP	51 52					
		BUD K2 N	P	04 48 25			-	80.41	
			ePcP	38					
			S	58 31					
			sS	40					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	05 16 48					
		BUD K2 E	P	04 48 25			-		
			ePP	51 32					
			S	58 31					
		BUD K2 Z	P	04 48 25			-		
			ePcP	38					
			eL	05 27 13					
		SOP MK Z	P	04 48 24	1.8	0.81	+	80.32	
			ipP	33					
			isP	36					
			iPcP	42					
			i	49 18					
			PP	51 33					
		SOP K Z	iP	04 48 24.0	3.2	3.44	+	80.32	
			isP	47					
			S	58 26					
			PS	59 16					
			eL	05 54 22					
252.	03 26	BUD K N	P	05 09 06				19.45	39.30N 43.40E
			ePPP	47					T0=05 04 35.2
									h= 21
									Mb=5.0
		BUD K E	P	05 09 06					
			isP	17					
			iPP	26					
		BUD MK Z	P	05 09 04	1.5	0.06	-	19.45	
			sP	13					
			i	23					
			PP	31					
			iPPP	42					
		BUD K2 E	eP	05 09 05				19.45	
			esP	18					
			ePP	26					
			ePPP	51					
		SOP MK Z	P	05 09 20			-	21.12	
			isP	39					
			PP	53					
			ePPP	10 21					
		SOP K Z	eP	05 09 20				21.12	
			sP	34					
			PP	43					
253.	03 26	SOP MK Z	PKP/F	08 38 54				149.68	18.58S 174.14W
			i	59					T0=08 19 18.5
			iPKP2/A	39 04					h= 93
			pPKP/F	18					Mb=5.6
			pPKP/A	30					
			sPKP/F	33					
			sPKP/A	46					
			PP	42 29					
		SOP K Z	PKP/F	08 38 54				149.68	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPKP2/A	59					
			pPKP/A	39 26					
			esPKP/F	36					
			sPKP/A	57					
254.	03 26	SOP MK Z	P	14 35 02	1.0	0.02	-	36.27	28.26N 56.21E
			pP	16					T0=14 28 06.0
									h= 70
									M=5.0
									CSEM
255.	03 26	SOP MK Z	PKP/F	19 16 25	0.8	0.02		153.30	24.00S 179.23W
			PKP2/A	38					T0=18 57 11.7
									h=396
									Mb=4.6
256.	03 26	BUD K N	eP	22 36 34				55.98	0.98S 13.48W
			epP	40					T0=22 26 54.7
			PP	38 44					h= 33
			iS	40 39					Mb=5.3 Ms=5.3
			eL	55 10					
			M	23 00 23	15.0	3.32			
			F	25 17					
		BUD K E	eP	22 36 34					
			sP	37 04					
			PcP	27					
			SP	40 43					
			ScS	46 13					
			eL	56 33					
			F	23 22 17					
		BUD MK Z	iP	22 36 34.6	1.0	0.05	+	55.98	
			ipP	43					
			isP	54					
			PcP	37 26					
			ePP	39 05					
		BUD K2 N	eL	22 57 12				55.98	
			F	23 14 46					
		BUD K2 E	P	22 36 34					
			sP	56					
			ePcP	37 51					
			eL	57 24					
			F	23 16 33					
		BUD K2 Z	epP	22 36 34					
			eL	59 33					
			F	23 15 40					
		BUD UT Z	eP	22 36 29				55.98	
			esP	44					
			ePcP	37 10					
			S	44 20					
			SS	48 30					
			eL	53 28					
			M	23 00 19	21.2	5.11			

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	28 12					
		SOP MK Z	iP	22 36 25.0	1.5	0.12	+	55.08	
			i	30					
			ipP	38					
			isP	42					
			PcP	37 19					
			PP	38 37					
			PPP	39 58					
		SOP K Z	iP	22 36 25.0				55.08	
			ipP	30					
			isP	43					
			ePcP	37 28					
			S	43 34					
			sS	44 19					
			eScS	45 23					
			SS	47 55					
			eL	57 32					
			F	23 13 40					
257.	03 27	SOP MK Z	P	05 45 30	1.0	0.03	-	48.39	32.70N 78.54E
			pP	39					T0=05 36 49.2
			esP	41					h= 26
									Mb=5.0
258.	03 27	SOP MK Z	P	12 06 03	1.0	0.01	+	30.44	31.53N 50.53E
			esP	36					T0=11 59 56.9
									h= 66
									M=5.0
									CSEM
259.	03 28	BUD K N	ePKP	01 35 03				137.91	14.68S 167.10E
			epPKP	17					T0=01 15 41.8
			esPKP	49					h=109
			PP	37 57					Mb=5.7
			PPP	40 46					
			i	41 28					
			SKS	46					
		BUD MK Z	PKP	01 34 58			-	137.91	
			epPKP	35 22					
			esPKP	35					
			iPP	38 24					
		SOP MK Z	iPKP	01 34 58.0			-	139.02	
			epPKP	35 29					
			isPKP	41					
			i	36 03					
			iPP	38 23					
		SOP K Z	PKP	01 34 58				139.02	
			PP	38 20					
260.	03 28	SOP MK Z	P	03 12 08				30.23	31.28N 49.94E
			sP	33					T0=03 06 27.6
			PP	44					h= 45

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									M=4.7 CSEM
261.	03 28	SOP MK Z	P pP esP	04 16 53 17 12 28			+	36.82	27.75N 56.52E T0=04 09 52.8 h= 70 M=5.1 CSEM
262.	03 28	SOP MK Z	P epP sP	05 01 13 42 53			+	36.9	27.65N 56.53E T0=04 54 12.0 h= 69 M=5.5 CSEM
263.	03 28	SOP MK Z	ePn e e eP$ ePg	08 18 23 27 35 43 52				6.44	41.79N 20.24E T0=08 16 45.5 h= 10 M=4.9 CSEM
264.	03 28	BUD K N	eP PP PPP i eS eSS PcP L M F	10 53 17 31 35 55 17 40 48 58 32 38 59 03 11 12 20	10.4	4.04		12.38	36.80N 27.50E T0=10 50 10.0 h= 24 Mb=4.8
		BUD K E	sP PP eL M	10 53 27 31 58 14 59 01	10.4	2.06			
		BUD MK Z	eP sP iPPP i eL F	10 53 17 25 48 54 27 57 06 11 01 38				12.38	
		BUD K2 N	eL F	10 58 40 11 05 47				12.38	
		BUD K2 E	P esP eL F	10 53 29 42 58 40 11 06 02					
		BUD K2 Z	eL F	10 58 40 11 05 35					
		BUD UT Z	eSSS eL M F	10 56 10 58 39 59 01 11 09 00	11.2	3.50		12.38	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	eP	10 53 31				13.55	
			esP	43					
			ePPP	57					
		SOP K Z	eP	10 53 33				13.55	
			SS	56 17					
			SSS	57 27					
			PcP	59 13					
			eL	35					
			M	47					
			F	11 13 51					
265.	03 29	BUD K N	ePg	01 19 41				6.45	41.33N 16.29E
			eSg	21 09					T0=01 17 37.3
			F	25 37					h= 10
									M=5.0
									CSEM
		BUD K E	ePg	01 19 41					
			eSSS	20 41					
			i	21 19					
			F	26 28					
		BUD K2 E	eSg	01 21 07				6.45	
			F	23 58					
		SOP MK Z	Pn	01 19 08				6.35	
			e	19					
			eP*	32					
			Pg	37					
			Sn	20 20					
			Sg	21 07					
266.	03 29	SOP MK Z	iP	04 04 33.5	1.0	0.07	-	39.66	49.79N 78.14E
			pP	44					T0=03 56 57.7
			sP	48					h= 0
			PP	06 16					Mb=5.4
			PcP	29					EXP.
267.	03 29	BUD K N	e	12 00 07					
			e	16					
			i	22					
		BUD K E	e	12 00 07					
			e	20					
			e	33					
268.	03 29	BUD K2 E	eP	17 53 39				77.80	52.55N 172.52E
			esP	54 06					T0=17 41 38.0
									h= 31
									Mb=5.0
269.	03 29	BUD K N	P	22 36 11				35.17	27.67N 56.41E
			pP	23					T0=22 29 21.6
			isP	36					h= 58
			ePP	37 39					M=5.4
			eL	51 01					CSEM

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	23 09 01					
		BUD K E	P	22 36 11					
			i	55					
			iPPP	38 06					
			eL	55 50					
		BUD MK Z	P	22 36 10	1.2	0.07	+	35.17	
			ipP	19					
			sP	28					
			i	37 03					
			PP	33					
			iPcP	38 43					
		BUD K2 E	P	22 36 11				35.17	
			epP	22					
			esP	46					
		BUD K2 Z	P	22 36 11					
		BUD UT Z	eP	22 36 11				35.17	
		SOP K Z	P	22 36 29				36.81	
			epP	37					
			esP	56					
270.	03 30	BUD UT Z	eSKS	11 43 06				85.31	31.45N 140.18E
			eSSS	52 14					T0=11 20 35.7
			eL	12 10 33					h= 33
			M	17 37	16.4	2.66			Mb=5.3
			F	34 28					
271.	03 30	BUD K N	pP	17 53 38				77.80	52.55N 172.52E
			ePcP	48					T0=17 41 38.0
									h= 31
									Mb=5.0
		BUD K E	eP	17 53 36					
			esP	54 12					
		BUD MK Z	P	17 53 35	0.9	0.03	+	77.80	
			ipP	40					
			iPcP	45					
			isP	57					
		SOP MK Z	iP	17 53 35.1	1.1	0.04	+	78.05	
			pP	44					
			sP	54 00					
		SOP K Z	P	17 53 36				78.05	
272.	03 30	SOP MK Z	eP	21 45 33				54.13	23.35N 45.04W
			pP	47					T0=21 36 12.5
									h= 33
									Mb=4.6
		SOP K Z	eP	21 45 33				54.13	
			pP	39					
273.	03 31	SOP MK Z	ePKP2/A	05 28 17				158.74	29.22S 177.09W
									T0=05 07 48.2
									h= 43

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									Mb=4.5
274.	03 31	SOP MK Z	P	13 43 33	1.0	0.05		36.72	27.82N 56.44E
			i	37					T0=13 36 34.7
			epP	39					h= 78
									M=5.3
									CSEM
275.	03 31	SOP MK Z	eP	19 18 25				36.60	27.78N 56.21E
			pP	44					T0=19 11 28.2
			sP	59					h= 81
			ePP	19 37					M=5.1
									CSEM
		SOP K Z	eP	19 18 36				36.60	
			esP	19 02					
276.	03 31	SOP MK Z	eP	19 56 56				34.08	27.71N 52.14E
			epP	20 00 07					T0=19 53 15.1
			esP	13					h= 35
277.	04 01	BUD K N	epP	13 43 19				35.18	27.64N 56.39E
			isP	21					T0=13 36 30.1
			i	38					h= 58
			iPP	44 42					M=6.6
			iPPP	45 05					CSEM
			iPcP	40					
		BUD K E	eP	13 43 17					
			isP	21					
			i	38					
			iPPP	45 05					
			iPcP	40					
		BUD MK Z	iP	13 43 18.6	0.8	0.17	+	35.18	
			ipP	36					
			isP	42					
			i	45					
			PP	44 44					
			PPP	45 11					
			PcP	50					
			iS	48 53					
			sS	49 09					
		BUD K2 N	epP	13 43 20				35.18	
			esP	40					
			esS	48 57					
			eL	56 02					
			M	14 00 29	12.6	9.93			
			F	28 44					
		BUD K2 E	eP	13 43 18					
			epP	20					
			i	48					
			iPP	44 39					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPcP	45 43					
			S	48 54					
			eL	57 25					
			M	14 00 55	13.2	13.50			
			F	27 57					
		BUD K2 Z	epP	13 43 20					
			S	48 54					
			eL	58 51					
			F	14 17 50					
		BUD UT Z	iP	13 43 21.2			+	35.18	
			PP	44 39					
			PPP	45 14					
			PcP	36					
			eS	48 33					
			eL	49 15					
			M	57 57	24.6	10.26			
			F	15 20 30					
		SOP MK Z	P	13 43 31			+	36.82	
			isP	59					
			i	44 21					
			iPP	45 07					
			iPPP	35					
			PcP	55					
			sS	49 20					
		SOP K Z	P	13 43 31	1.6	3.41	+	36.82	
			pP	33					
			isP	53					
			i	44 20					
			PPP	45 35					
			PcP	46 00					
			isS	49 20					
			SS	51 19					
			SSS	52 02					
			eL	53 40					
			M	14 04 28					
			F	14 44 30					
278.	04 01	SOP MK Z	eP	16 07 30				36.69	27.67N 56.23E
			i	32					T0=16 00 32.2
			epP	42					h= 77
			esP	00 01					M=5.0
									CSEM
279.	04 01	SOP MK Z	e	22 21 02					
			e	04					
			e	16					
280.	04 02	BUD K N	PKP2/A	07 35 07				147.95	16.69S 172.09W
			ipPKP/F	09					T0=07 15 22.7
									h= 33
									Mb=6.8 Ms=7.4
		BUD K E	PKP2/A	07 35 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipPKP/F	09					
		BUD MK Z	PKP/F	07 35 05			+	147.95	
			ipPKP/A	33					
			i	36 09					
			iPP	38 47					
			PPP	41 33					
		BUD K2 N	i	07 35 45				147.95	
		BUD K2 E	PKP/F	07 35 05					
			iPKP2/A	08					
			ipPKP/F	14					
			iPP	38 37					
		BUD K2 Z	PKP/F	07 35 05					
			i	36 31					
		SOP MK Z	PKP/F	07 35 04				148.28	
			iPKP2/A	06					
			i	36 46					
			iPP	38 43					
			PPP	42 10					
			sSKS/F	34					
			eL	48 37					
		SOP K Z	PKP/F	07 34 58	6.9	43.09		148.28	
			ipPKP/F	35 08					
			i	56					
			iPP	38 59					
			iPPP	42 03					
281.	04 02	BUD MK Z	e	08 05 51					
			i	56					
			i	06 11					
282.	04 02	SOP MK Z	PKP/F	20 14 16	0.9	0.01		148.52	16.91S 171.92W
			PKP2/A	23					T0=19 54 30.8
			pPKP/F	27					h= 33
			pPKP/A	37					Mb=4.8
283.	04 02	SOP MK Z	P	22 22 47				33.81	32.35N 56.53E
			pP	23 01					T0=22 16 11.7
			esP	05					h= 10
			ePP	31					
									CSEM
284.	04 03	BUD K N	ePn	03 19 35				4.18	46.25N 13.19E
			P$	46					T0=03 18 15.9
			i	59					h= 10
			L	20 33					M=5.1
			M	48	10.2	3.57			CSEM
			F	27 45					
		BUD K E	ePn	03 19 35					
			iPg	50					
			iSn	20 23					
			iS$	35					
			eL	38					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	27 10					
		BUD MK Z	ePn	03 19 21				4.18	
			P$	26					
			iPg	36					
			iSn	20 06					
			i	14					
			S$	20					
			iSg	29					
			eL	36					
			F	27 57					
		BUD K2 N	S$	03 20 27				4.18	
			L	40					
			F	24 14					
		BUD K2 E	Pn	03 19 33					
			P$	42					
			iSn	20 08					
			eL	39					
			F	26 47					
		BUD K2 Z	S$	03 20 27					
			Sg	34					
			L	51					
			F	25 10					
		BUD UT Z	eS$	03 20 31				4.18	
			Sg	43					
			L	59					
			F	26 37					
		SOP MK Z	iPn	03 18 58.7			+	2.71	
			P$	19 02					
			Pg	08					
			Sn	26					
			Sg	46					
			F	27 51					
		SOP K Z	Pn	03 19 00				2.71	
			P$	03					
			iPg	06					
			i	17					
			Sn	25					
			S$	34					
			Sg	44					
			M	56					
			F	25 17					
285.	04 03	BUD K N	esPKP/F	19 56 37				160.66	37.62S 176.35E
			epPKP/A	52					T0=19 35 45.8
			esPKP/A	57 17					h=226
									Mb=4.8
		SOP MK Z	pPKP/F	19 56 24				162.10	
			sPKP/F	54					
			pPKP/A	57 14					
			isPKP/A	31					
286.	04 04	SOP MK Z	ePKP/F	04 49 47				138.98	14.34S 167.62E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPP	52 41					T0=04 30 20.6 h= 15 Mb=5.2
		SOP K Z	PP	04 52 42				138.98	
287.	04 04	SOP MK Z	iPKP/F	08 39 02.6	1.2	0.02	-	148.80	17.29S 172.43W
			iPKP2/A	14					T0=08 19 20.4
			sPKP/A	41 07					h= 68 Mb=4.9
288.	04 04	SOP MK Z	pPKP/F	15 46 59				151.11	21.75S 179.39W
			pPKP/A	13					T0=15 25 55.3 h=597 Mb=5.0
289.	04 04	BUD K N	P	18 02 33			-	60.69	7.30N 37.85W
			pP	40					T0=17 52 19.7
			sP	50					h= 33
			i	04 19					Mb=5.5 Ms=6.0
			PP	41					
			ePPP	05 41					
			S	10 46					
			eL	20 25					
			M	26 53	17.6	11.07			
			F	44 53					
		BUD K E	P	18 02 33	2.6		-		
			sP	50					
			iPcP	03 07					
			isS	10 56					
			eL	23 11					
			M	31 59	13.0	4.6			
			F	19 43 54					
		BUD MK Z	PcP	18 02 33	2.2	0.62	+	60.69	
			i	46					
			iPP	03 07					
			ePPP	04 07					
		BUD K2 N	epP	18 02 42				60.69	
			esS	10 52					
			eL	21 23					
		BUD K2 E	P	18 02 33			+		
			iPcP	03 20					
			i	04 09					
			iPP	38					
			esS	10 52					
			eL	23 11					
		BUD K2 Z	P	18 02 33					
			epP	42					
			sP	55					
			eL	25 27					
		BUD UT Z	P	18 02 34				60.69	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePcP	03 20					
			S	10 52					
			iSPP	11 25					
			eSS	14 52					
			eL	21 26					
			M	27 05					
			F	20 04 12					
		SOP MK Z	P	18 02 19				59.25	
			i	25					
			ipP	31					
			isP	43					
			PcP	03 05					
		SOP K Z	iP	18 02 19.3	1.6	1.70	+	59.25	
			ipP	29					
			isP	46					
			iPcP	03 07					
			i	19					
			iPP	04 30					
			PPP	07 00					
			S	11 32					
			ScS	13 03					
			SSS	17 27					
			eL	22 10					
			M	28 30					
290.	04 04	SOP MK Z	eP	19 19 00				85.08	2.76S 102.27E
			pP	09					T0=19 06 35.5
			esP	18					h=133
									Mb=5.1
291.	04 05	BUD MK Z	ePPP	04 49 50				97.01	6.64N 127.87E
									T0=04 29 47.8
									h= 67
									Mb=5.2
292.	04 05	BUD K N	ePP	11 01 04				103.31	12.01N 144.18E
			eSKS/A	07 12					T0=10 42 35.0
			PPS	10 38					h= 17
			eL	35 38					Mb=5.6 Ms=5.5
			F	12 20 43					
		BUD K E	ePP	11 01 04					
			SP	10 26					
			eL	36 20					
			F	12 17 01					
		BUD MK Z	PP	11 01 08				103.31	
293.	04 05	BUD K N	eP	15 12 49				86.69	37.12N 116.06W
			epP	51					T0=15 00 00.2
			sP	13 05					h= 0
									Mb=5.6 Ms=5.3
									EXP.

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	eP	15 12 49					
		BUD MK Z	P	15 12 47	0.8	0.009	-	86.69	
			epP	58					
			sP	13 03					
		SOP MK Z	P	15 12 39	1.1	0.10	-	85.56	
			pP	53					
			sP	13 13					
		SOP K Z	P	15 12 41				85.56	
			epP	56					
294.	04 06	BUD K N	eP	13 42 34				28.56	32.02N 50.66E
			PP	43 33					T0=13 36 40.9
			PPP	42					h= 53
			F	15 26 43					M=5.4
									CSEM
		BUD K E	eP	13 42 34					
			esP	43 07					
			iPcP	45 34					
			eL	48 05					
			F	15 01 44					
		BUD K2 N	eL	13 53 22				28.56	
			F	14 23 53					
		BUD K2 E	eP	13 42 34					
			ePP	43 26					
			L	47 59					
			M	54 44	21.0	15.0			
			F	14 42 49					
		BUD K2 Z	epP	13 42 46					
			L	53 22					
			F	14 22 42					
		BUD UT Z	eP	13 42 31				28.56	
			ePP	43 21					
			ePcP	45 49					
			L	47 46					
			M	55 30	21.8	12.45			
			F	15 19 13					
		SOP MK Z	P	13 42 44			+	30.20	
			ipP	52					
			isP	43 08					
			iPP	34					
			iPPP	44 03					
			PcP	45 43					
			esS	48 27					
			SS	49 31					
			SSS	50 29					
		SOP K Z	P	13 42 47				30.20	
			pP	55					
			isP	43 07					
			i	25					
			PP	32					
			PPP	44 08					
			PcP	45 28					
			isS	49 00					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SS	58					
			eL	50 38					
			M	57 51					
			F	14 53 28					
295.	04 07	SOP MK Z	iP	03 41 45.5	1.0	0.03	-	36.82	28.28N 57.08E
			i	42 00					T0=03 34 48.7
			ipP	06					h= 96
			sP	16					M=5.0
									CSEM
296.	04 07	BUD K N	e	11 13 38					
		BUD K E	e	11 13 38					
297.	04 07	BUD MK Z	ePKP/F	11 26 54				148.51	17.48S 172.89W
			pPKP/A	27 18					T0=11 07 07.0
			i	28 22					h= 33
									Mb=4.9
298.	04 07	BUD K N	e	11 27 58					
			e	28 04					
		BUD K E	e	11 28 04					
299.	04 08	SOP MK Z	P	04 53 24				41.07	36.60N 71.00E
			epP	54 14					T0=04 46 02.6
									h=243
									Mb=4.8
300.	04 08	SOP MK Z	P	16 56 52				37.08	27.34N 56.48E
			pP	57 11					T0=16 49 50.7
			esP	31					h= 83
									M=4.6
									CSEM
301.	04 09	SOP MK Z	e	03 09 23					
			e	33					
			e	54					
302.	04 09	BUD MK Z	eP	04 16 48	1.4	0.03		97.42	10.01S 71.18W
			epP	18 39					T0=04 04 12.5
									h=564
									Mb=5.5
		BUD K2 E	SKS	04 26 31				97.42	
			eS	27 12					
303.	04 09	BUD K N	P	04 54 32				58.90	5.16S 11.48W
			pP	47					T0=04 44 29.6
			iPcP	55 20					h= 33
									Mb=5.0 Ms=4.8

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD MK Z	eP	04 54 29				58.90	
			epP	45					
			esP	56					
			PcP	55 20					
		BUD K2 E	eP	04 54 33				58.90	
			PcP	55 16					
			ePP	56 45					
		SOP MK Z	P	04 54 22				58.11	
			ipP	27					
			sP	34					
		SOP K Z	P	04 54 24				58.11	
			pP	39					
			PcP	55 14					
304.	04 09	BUD K N	epPKP	21 36 10				142.88	19.08S 169.58E
			e	37 26					T0=21 16 14.6
			eL	42 24					h= 25
			F	56 40					Mb=5.4 Ms=5.4
		BUD K E	ePKP	21 35 46					
			eL	42 31					
			F	54 41					
		BUD MK Z	ePKP	21 35 46				142.88	
			i	48					
			pPKP	54					
			PP	38 50					
		BUD UT Z	epPKP	21 35 48				142.88	
			ePP	38 50					
		SOP MK Z	iPKP/F	21 35 46.7			+	144.00	
			PKP2/A	52					
			ipPKP/F	55					
			ipPKP/A	36 02					
			i	04					
			PP	39 05					
		SOP K Z	PKP/F	21 35 48				144.00	
			pPKP/F	59					
			ePP	38 52					
305.	04 10	SOP MK Z	ePKP/F	01 13 50				143.93	19.00S 169.58E
			ipPKP/F	56					T0=00 54 16.5
									h= 18
									Mb=4.9
		SOP K Z	PKP/F	01 13 52				143.93	
			epPKP/F	14 01					
306.	04 10	SOP MK Z	PKP/F	04 30 14				149.24	19.27S 178.09W
			iPKP2/A	21					T0=04 11 29.1
									h=505
									Mb=4.8
307.	04 10	SOP MK Z	iP	05 09 29.6	1.2	0.02	-	36.76	27.50N 56.15E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	56					T0=05 02 24.2
			PP	10 03					h= 33
									Mb=4.5
308.	04 10	BUD K N	P	08 43 26			-	77.84	44.47N 147.54E
			i	28					T0=08 31 33.4
			PcP	36					h= 84
			pP	50					Mb=5.4
		BUD K E	P	08 43 26					
			sP	58					
		BUD MK Z	iP	08 43 26.4	1.0	0.09	-	77.84	
			ePcP	35					
			pP	46					
			sP	44 03					
		BUD K2 E	iP	08 43 26.5			-	77.84	
			ePcP	35					
			pP	55					
			sP	44 06					
		SOP MK Z	iP	08 43 26.7	1.4	0.32	-	78.62	
			ipP	35					
			isP	45					
		SOP K Z	iP	08 43 27.5			-	78.62	
			sP	44 01					
309.	04 10	SOP MK Z	PKP/F	18 28 38				150.42	20.96S 179.29W
			ePKP2/A	57					T0=18 09 58.9
									h=647
									Mb=4.8
310.	04 10	SOP MK Z	PKP/F	23 04 21				147.72	16.16S 172.31W
			PKP2/A	23					T0=22 44 36.7
			ipPKP/F	32					h= 33
			epPKP/A	42					Mb=4.7
311.	04 11	BUD K N	ePKP	02 34 33				128.32	52.28S 114.59E
			epPKP	52					T0=02 15 18.1
									h= 33
									Mb=5.6 Ms=5.4
		BUD K E	PP	02 36 42					
		BUD MK Z	PKP	02 34 26	1.9	0.06	-	128.32	
			pPKP	38					
			PP	36 29					
312.	04 11	BUD K2 E	e	02 35 07					
			e	21					
			i	37 47					
313.	04 11	SOP MK Z	iP	03 17 12.3	1.3	0.03	-	36.90	27.54N 56.41E

No.	Date	Sta. Inst. Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pP	26					T0=03 10 04.5
			sP	34					h= 10
									M=4.8
									CSEM
314.	04 11	BUD K N	P	16 26 17			+	13.76	36.86N 30.88E
			ePP	36					T0=16 22 59.5
			i	30 46					h= 10
			PcP	31 47					M=5.4
			F	48 55					CSEM
		BUD K E	P	16 26 17			-		
			ePP	36					
			eL	32 04					
			M	41	8.0	0.91			
			F	47 25					
		BUD MK Z	eP	16 26 17				13.76	
			PP	37					
			isP	40					
			S	29 19					
		BUD K2 E	eP	16 26 18				13.76	
			ePP	38					
			PcP	31 31					
			eL	32 36					
			F	45 37					
315.	04 11	BUD K N	eP	22 32 44				30.88	59.57N 30.16W
			epP	53					T0=22 26 29.6
			PPP	34 27					h= 33
			eS	37 37					Mb=4.5 Ms=4.7
			ScS	43 05					
			eL	44 10					
		BUD K E	esP	22 33 05					
			ePP	56					
			PPP	34 27					
			ePcP	35 44					
			ScS	43 05					
			eL	45 25					
		BUD MK Z	eP	22 32 48				30.88	
			pP	52					
			esP	33 04					
			PP	55					
			ePPP	34 12					
		BUD K2 E	esP	22 33 18				30.88	
			e	35 05					
			eL	45 15					
		BUD UT Z	esP	22 33 08				30.88	
			ePcP	35 20					
			eL	41 15					
			M	45 20	20.2	1.15			
			F	55 51					
316.	04 11	BUD K N	epP	22 51 16				30.93	59.48N 30.25W
			esP	32					T0=22 44 42.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									h= 33
									Mb=4.6 Ms=4.7
		BUD K E	eP	22 51 06					
			epP	16					
		BUD MK Z	P	22 51 04				30.93	
			epP	12					
			esP	16					
		BUD K2 E	eP	22 51 16				30.93	
			epP	23					
			ePPP	53 12					
317.	04 11	BUD K N	eP	23 09 17				93.12	23.18N 142.26E
			esP	34					T0=22 56 45.3
									h= 33
									Mb=5.0 Ms=5.5
		BUD K E	epP	23 09 24					
			esP	34					
		BUD MK Z	eP	23 09 58				93.12	
			pP	10 08					
			sP	22					
		BUD K2 E	P	23 09 10				93.12	
			esP	10 12					
318.	04 11	BUD K N	ePP	23 27 45				30.96	59.37N 30.31W
			ePPP	28 21					T0=23 20 42.4
									h= 33
									Mb=4.5 Ms=4.8
		BUD K E	ePP	23 27 45					
		BUD MK Z	P	23 27 03				30.96	
			ePP	28 08					
		BUD K2 E	ePP	23 27 40				30.96	
			PPP	28 14					
319.	04 12	BUD K N	e	11 21 25					
			e	23 15					
			eL	25 08					
			F	40 57					
320.	04 12	SOP MK Z	eP	23 18 14				30.27	31.98N 50.74E
			pP	18					T0=23 12 06.7
			sP	30					h= 10
									M=5.2
									CSEM
321.	04 13	BUD K N	i	11 41 07				39.43	36.46N 70.90E
			ipP	47					T0=11 33 51.8
			PcP	42 38					h=196
			iPP	43 32					Mb=5.3
			L	49 56					
			F	12 11 53					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	P	11 41 05					
			i	19					
			ipP	47					
			sP	42 08					
			L	49 59					
			F	12 13 23					
		BUD MK Z	iP	11 41 06.2			-	39.43	
			i	21					
			pP	50					
			isP	42 10					
			iPcP	43 05					
			PP	16					
			PPP	34					
			eS	46 35					
			esS	47 16					
		BUD K2 N	esP	11 42 08				39.43	
			eL	49 42					
			F	12 04 36					
		BUD K2 E	eP	11 41 04					
			pP	44					
			L	49 49					
			F	12 06 25					
		BUD K2 Z	eP	11 41 04					
			eL	49 44					
		BUD UT Z	P	11 41 05			-	39.43	
			epP	45					
			sP	42 10					
			ePP	43 18					
			eL	49 43					
			M	50 11	19.0	2.89			
			F	12 12 33					
		SOP MK Z	iP	11 41 16.6			+	41.08	
			i	28					
			pP	42 02					
			sP	17					
			iPcP	56					
			PP	43 33					
			PPP	44 00					
			S	46 35					
		SOP K Z	eP	11 41 13				41.08	
			esP	42 36					
			iPcP	58					
			iPP	43 37					
			ePPP	44 07					
			eL	50 54					
			F	12 04 24					
322.	04 13	BUD K N	pP	12 59 29				99.09	3.77N 126.75E
			esP	36					T0=12 45 42.0
									h= 43
									Mb=5.7 Ms=5.2
		BUD K E	eP	12 59 20					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD MK Z	iP	12 59 21.6	1.0	0.03	-	99.09	
			i	29					
		BUD K2 E	eP	12 59 22				99.09	
323.	04 13	BUD K N	ePn	14 03 53				4.39	43.09N 18.83E
			ePg	04 13					T0=14 02 52.7
			Sn	43					h= 10
			Sg	05 11					M=4.7
			i	21					CSEM
			eL	46					
			M	57	9.8	1.09			
			F	10 14					
		BUD K E	S	14 04 59					
			i	05 14					
			eL	34					
			M	53	8.0	1.43			
			F	09 52					
		BUD MK Z	Pn	14 03 57			+	4.39	
			i	58					
			P	04 04					
			Pg	09					
			Sn	50					
			iS	05 07					
			Sg	15					
			eL	18					
			F	07 56					
		BUD K2 N	eL	14 05 45				4.39	
			F	08 21					
		BUD K2 E	ePg	14 04 21					
			S	05 14					
			Sg	23					
			eL	42					
			F	08 31					
		BUD K2 Z	eL	14 05 44					
			F	07 55					
		SOP MK Z	Pn	14 04 03	1.1	0.03	+	4.86	
			eP	17					
			Pg	27					
			iSn	05 01					
			iS	19					
			Sg	33					
			F	07 13					
		SOP K Z	Pn	14 04 30				4.86	
			Pg	05 01					
			S	40					
			eL	06 06					
			F	08 49					
324.	04 14	BUD K N	PKP/F	04 24 15				146.90	17.66S 178.65W
			PKP2/A	25					T0=04 05 31.2
			pPKP/F	26 16					h=535
									Mb=5.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	PKP/F	04 24 15					
			i	18					
		BUD MK Z	ePKP/F	04 24 11				146.90	
			e	15	1.2	0.44			
			iPKP2/A	21					
			i	29					
			pPKP/F	26 15					
			esPKP/F	52					
		BUD K2 E	PKP/F	04 24 16			-	146.90	
			ePKP2/A	45					
		SOP MK Z	PKP/F	04 24 11				147.56	
			iPKP2/A	16					
			i	26					
			pPKP/F	26 18					
			pPKP/A	34					
			esPKP/F	56					
		SOP K Z	PKP/F	04 24 12				147.56	
			iPKP2/A	16					
325.	04 14	BUD K N	eSSS	07 24 15				14.91	36.35N 5.62E
			eL	25 18					T0=07 17 10.1
			M	26 14	12.1	1.57			h= 10
			F	44 33					M=3.8
									CSEM
		BUD K E	eL	07 25 24					
			M	26 14	16.4	2.6			
			F	45 28					
		BUD K2 N	eL	07 25 37				14.91	
			F	34 52					
		BUD K2 E	ePcP	07 25 14					
			eL	29					
			F	36 59					
		BUD K2 Z	eL	07 27 10					
			F	34 13					
326.	04 14	BUD K2 E	e	13 30 07					
			e	21					
			F	38					
327.	04 15	SOP MK Z	i	15 19 15.4					EXP?
			i	17					
			F	20 18					
328.	04 15	SOP MK Z	ePKP/F	23 23 28				148.80	17.34S 172.68W
			PKP2/A	33					T0=23 03 46.9
			pPKP/F	40					h= 33
			epPKP/A	24 07					Mb=5.1
329.	04 16	BUD MK Z	esP	11 34 42				38.26	37.11N 69.68E
			i	35 35					T0=11 27 12.6
			PP	36 04					h= 15
			PPP	24					Mb=4.9

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePcP	37 20					
		BUD K2 E	ePP	11 35 43				38.26	
330.	04 17	SOP MK Z	iP	03 54 36.4				37.30	27.15N 56.62E
			pP	44					T0=03 47 25.8
			sP	55					h= 33
									Mb=4.6
331.	04 17	SOP MK Z	e	23 43 34					
			e	44 10					
			e	16					
332.	04 18	BUD K N	P	00 20 18				39.35	36.45N 70.77E
			e	38					T0=00 13 04.6
			pP	57					h=217
			isP	21 23					Mb=5.4
			i	53					
			iPP	22 48					
			S	25 56					
			eL	29 25					
			F	41 31					
		BUD K E	P	00 20 18	2.1	0.49	+		
			i	21 53					
			PcP	22 15					
			iPP	48					
			eL	29 03					
			F	41 33					
		BUD K2 E	P	00 20 17				39.35	
			pP	52					
			esP	21 04					
			PcP	22 15					
			PP	23					
			eS	25 35					
		BUD K2 Z	P	00 20 17					
			esP	21 04					
		SOP MK Z	iP	00 20 27.2	1.0	0.16	+	41.00	
			i	32					
			ipP	21 14					
			sP	34					
			iPcP	22 13					
			iPP	32					
			PPP	23 06					
			S	26 06					
		SOP K Z	iP	00 20 28.6				41.00	
			i	22 18					
			PcP	21					
			PP	31					
			ePPP	23 01					
			eL	29 41					
			F	34 27					
333.	04 18	SOP MK Z	i	22 01 34.1			+		EXP?

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	39					
			F	02 28					
334.	04 19	SOP MK Z	P	06 27 16				82.44	36.45N 140.55E
			epP	20					T0=06 14 59.6
			sP	25					h= 65
									Mb=5.3
335.	04 20	BUD K N	Pn	00 32 38				2.85	44.88N 17.34E
			i	47					T0=00 31 53.5
			iS$	33 19					h= 10
			eL	54					M=5.2
			M	34 03	7.8	8.76			CSEM
			F	50 48					
		BUD K E	Pn	00 32 38					
			P$	43					
			iPg	45					
			i	55					
			iSn	33 12					
			iSg	23					
			F	51 42					
		BUD MK Z	Pn	00 32 37			-	2.85	
			iP$	43					
			iPg	47					
			iSn	33 13					
			F	46 02					
		BUD K2 N	ePn	00 32 38				2.85	
			Pg	46					
			iSn	33 11					
			i	25					
			iSg	30					
			L	55					
			F	49 27					
		BUD K2 E	Pg	00 32 46					
			iSn	33 11					
			iSg	30					
			L	52					
			F	49 31					
		SOP MK Z	iPn	00 32 36.9			-	2.85	
		SOP K Z	iPn	00 32 37.1			-	2.85	
			iPg	54					
			iSn	33 11					
			iS$	28					
			iSg	34					
			eL	34 01					
			M	06					
			F	45 24					
336.	04 20	BUD K N	S$	00 48 15				2.96	44.81N 17.18E
			Sg	22					T0=00 46 45.2
									h= 10
									M=2.7

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									CSEM
		BUD K E	Sg	00 48 22					
		BUD MK Z	P↕	00 47 37				2.96	
			i	57					
			Sn	48 12					
			iS↕	16					
			F	49 37					
		SOP MK Z	Pn	00 47 26				2.90	
			P↕	28					
			Pg	32					
			i	46					
			Sn	54					
			Sg	48 19					
337.	04 20	BUD K N	epP	04 29 26				34.98	27.09N 55.47E
			sP	40					T0=04 22 29.6
			ePP	30 43					h= 56
			eScS	39 46					M=5.4
			eL	43 29					CSEM
			F	57 49					
		BUD K E	P	04 29 18					
			eL	44 06					
			F	58 34					
		BUD MK Z	P	04 29 18				34.98	
			ipP	26					
			sP	31					
			PP	30 10					
			PPP	31 19					
		SOP MK Z	iP	04 29 28.7			+	36.61	
			pP	39					
			sP	44					
			i	30 07					
			iPP	36					
			PPP	31 14					
		SOP K Z	P	04 29 29				36.61	
			pP	53					
			sP	30 02					
338.	04 20	BUD K N	P	20 16 13				84.64	30.59N 137.48E
			S	25 49					T0=20 04 29.4
			eL	52 33					h=493
			F	21 07 10					Mb=5.5
		BUD K E	P	20 16 13					
			S	25 49					
			eL	48 17					
			F	21 07 23					
		BUD MK Z	iP	20 16 12.0	1.3	0.01	-	84.64	
			i	32					
			ipP	51					
			isP	18 54					
		SOP MK Z	P	20 16 15	1.2	0.11	-	85.76	
			pP	18 09					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	19					
			esP	46					
			PP	22 23					
339.	04 20	BUD K N	eS$	21 19 19				6.00	44.28N 26.30E
			eSg	38					T0=21 16 17.0
									h= 10
									M=3.9
									CSEM
		BUD K E	eS$	21 19 19					
		BUD MK Z	Pn	21 17 47				6.00	
			e	51					
			eP$	18 04					
			eSn	54					
			S$	19 14					
			e	24					
			Sg	35					
			i	20 21					
		SOP MK Z	eP$	21 18 23				7.59	
			Sn	19 15					
			S$	55					
			Sg	20 26					
340.	04 20	BUD K N	epPKP	23 32 23				130.25	9.82S 160.32E
									T0=23 13 10.4
									h= 33
									Mb=6.4 Ms=6.7
		BUD K E	PKP	23 32 21					
			iPP	34 40					
			i	36 14					
		BUD MK Z	PKP	23 32 20	2.1	0.25	-	130.25	
			ipPKP	37					
			i	51					
			iPP	35 44					
			PPP	37 11					
		BUD K2 N	i	23 35 49				130.25	
			PPP	37 23					
			sSKS	39 50					
			S	42 15					
		BUD K2 E	PPP	23 37 23					
		BUD K2 Z	ePKP	23 32 19					
			pPKP	40					
			iPP	34 41					
			SKS	39 34					
		BUD UT Z	ePKP	23 32 20				130.25	
			iPP	34 36					
			i	35 21					
		SOP MK Z	PKP	23 32 21			-	131.45	
			pPKP	31					
			i	33 24					
			PP	34 43					
			PPP	37 18					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SKS	39 12					
			sSKS	56					
			SP	44 59					
			PS	45 10					
		SOP K Z	PKP	23 32 21				131.45	
			pPKP	33 03					
			PP	35 01					
			ePPP	37 09					
341.	04 20	BUD MK Z	PKP	00 02 02				130.32	9.89S 160.34E
			epPKP	17					T0=23 42 50.5
			i	41					h= 19
			iPP	04 48					Mb=6.3 Ms=7.5
			PPP	07 25					
			iSKS	09 11					
			isSKS	44					
			ePS	14 34					
			iPPS	15 41					
		BUD K2 N	iPPP	00 07 05				130.32	
		BUD K2 E	iPP	00 04 41					
			iPPP	07 05					
		BUD K2 Z	PKP	00 02 09					
			ipPKP	19					
			iPP	04 41					
			i	06 40					
		SOP K Z	PKP	00 02 18				131.52	
			pPKP	45					
			PP	04 31					
342.	04 21	SOP MK Z	i	00 02 16					
			i	41					
			i	03 12					
343.	04 21	BUD MK Z	PKP	01 03 53				129.92	10.86S 158.21E
			PP	06 14					T0=00 44 33.5
									h= 33
									Mb=5.7
		SOP MK Z	PKP	01 03 55				131.18	
			ePP	06 35					
			ePPP	08 35					
344.	04 21	BUD MK Z	P	01 58 50	1.0	0.03	+	90.19	26.86N 142.44E
			pP	56					T0=01 45 50.2
			isP	59 04					h= 33
			i	14					Mb=5.8 Ms=6.2
			ePP	02 02 29					
		SOP MK Z	iP	01 58 43.6	1.0	0.04	+	91.29	
			ipP	59 00					
			sP	11					
			iPP	02 02 34					
			PPP	04 18					
		SOP K Z	P	01 58 54				91.29	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			isP	59 16					
345.	04 21	BUD K N	i	04 43 53				130.59	9.96S 160.73E T0=04 24 09.6 h= 33 Mb=6.6 Ms=7.5
		BUD K E	PKP	04 43 28					
			pPKP	37					
			i	44 23					
		BUD K2 E	epPKP	04 43 27				130.59	
			iPP	45 40					
			i	46 44					
			eL	05 17 34					
		BUD K2 Z	PKP	04 43 19					
			iPP	45 40					
			eL	05 18 13					
		BUD UT Z	PKP	04 43 20			-	130.59	
			PP	45 30					
		SOP MK Z	PKP	04 43 19				131.78	
			i	24					
			ipPKP	36					
			PP	45 43					
			iPPP	48 35					
			esSKS	50 59					
		SOP K Z	iPKP	04 43 21			+	131.78	
			pPKP	37					
			PP	45 31					
			iSKS	50 21					
			isSKS	41					
			i	51 10					
			PS	55 43					
			SPP	58 07					
			eL	05 05 14					
346.	04 21	SOP MK Z	PKP	05 25 38			+	131.94	10.14S 160.69E T0=05 06 28.5 h= 33 Mb=5.8
			pPKP	26 01					
			PP	28 01					
347.	04 21	BUD MK Z	ePKP	10 04 46				130.85	10.27S 160.74E T0=09 45 38.2 h= 33 Mb=5.6 Ms=5.6
			epPKP	05 14					
			ePP	07 33					
348.	04 21	SOP MK Z	eP	10 11 20				39.14	40.08N 70.83E T0=10 03 55.1 h= 47 Mb=5.1
			pP	35					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
349.	04 21	SOP MK Z	P	13 45 33				34.23	40.48N 63.78E
			sP	57					T0=13 38 49.2
									h= 33
									Mb=4.9
350.	04 21	SOP MK Z	P	17 33 56				91.48	26.69N 142.38E
			pP	34 02					T0=17 20 44.7
			sP	09					h= 27
									Mb=5.2
351.	04 22	BUD UT Z	PP	03 32 39				130.71	10.16S 160.65E
			eL	04 09 11					T0=03 11 00.2
			M	29 35	22.0	2.80			h= 51
			F	05 33 53					Mb=5.6 Ms=6.0
		SOP MK Z	epPKP	03 30 20				131.91	
			PP	32 59					
352.	04 22	SOP MK Z	Pn	13 07 43			+	6.66	43.94N 8.67E
			e	48					T0=13 06 06.3
			P*	55					h= 41
			ePg	08 24					Mb=4.8
			e	53					
			iSn	09 02					
			Sg	54					
353.	04 22	BUD K N	e	14 51 36					
			eL	52 02					
			F	15 22 55					
		BUD K E	e	14 47 30					
			eL	51 28					
			F	15 22 53					
354.	04 22	BUD K E	e	15 11 26					
			e	47					
		BUD MK Z	i	15 11 20					
			i	25					
			i	32					
355.	04 22	SOP MK Z	eP	22 27 33				76.63	42.98N 139.50E
			pP	42					T0=22 15 44.0
			PcP	46					h= 33
			sP	52					Mb=5.0
356.	04 22	BUD K N	ePKP/F	23 30 35				147.11	17.47S 178.27W
									T0=23 11 47.9
									h=530
									Mb=5.5
		BUD MK Z	PKP/F	23 30 32	1.0	0.07	+	147.11	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PKP2/A	45					
			i	55					
			epPKP/F	32 11					
		BUD K2 Z	PKP/F	23 30 33				147.11	
		SOP MK Z	iPKP/F	23 30 33.0			-	147.75	
			i	37					
			iPKP2/A	40					
			pPKP/F	32 39					
357.	04 22	BUD MK Z	Pn	23 59 11				8.66	38.94N 21.02E
			i	16					T0=23 57 08.6
			e	25					h= 65
			P‡	45					M=4.5
			e	00 01 16					CSEM
			eS‡	32					
		SOP MK Z	iPn	23 59 31.0			+	9.32	
			P‡	56					
			Pg	00 00 19					
			eSn	54					
			S‡	01 44					
358.	04 23	BUD K N	e	12 55 09					
			e	20					
			e	40					
		BUD K E	e	12 55 09					
			e	14					
359.	04 24	BUD MK Z	P	20 54 50			+	79.50	40.05N 142.71E
			sP	55 03					T0=20 42 43.2
									h= 44
									Mb=5.0 Ms=4.1
360.	04 25	SOP MK Z	i	04 14 33.8	1.0	0.04	+		
			e	15 13					
			e	52					
361.	04 25	BUD K N	ePcP	05 45 35				14.96	34.14N 9.99E
									T0=05 37 01.3
									h= 10
									M=4.2
									CSEM
		BUD K E	ePPP	05 41 03					
			S	43 15					
			F	56 48					
362.	04 26	BUD MK Z	iP	16 31 10.1	1.1	0.06	+	27.07	32.62N 48.93E
			i	15					T0=16 25 31.0
			ipP	24					h= 50
			isP	32					M=6.2
			i	46					CSEM
			iPP	32 03					
			PPP	25					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PcP	34 27					
			S	35 54					
			SSS	37 49					
		BUD K2 N	P	16 31 08				27.07	
			sP	24					
			ePPP	32 04					
			eL	42 52					
			F	55 18					
		BUD K2 E	P	16 31 08					
			sP	24					
			ePPP	32 04					
			PcP	34 13					
			sS	36 07					
			SSS	37 42					
			eL	42 42					
			F	56 49					
		BUD K2 Z	P	16 31 08					
			sP	24					
			PP	32 02					
			SS	37 08					
			eL	44 20					
			F	54 41					
		BUD UT Z	P	16 31 10			-	27.07	
			epP	25					
			ePPP	32 14					
			ePcP	34 09					
			esS	36 09					
			eL	40 46					
			M	44 43	16.4	4.18			
			F	17 04 20					
		SOP MK Z	P	16 31 20	1.6	0.21		28.70	
			i	26					
			ipP	33					
			isP	37					
			PP	32 10					
			PPP	31					
			PcP	34 41					
			esS	35 34					
		SOP K Z	iP	16 31 20.4				28.70	
			ipP	29					
			sP	41					
			PP	32 05					
			PPP	34					
			F	17 00 59					
363.	04 26	BUD MK Z	eP	23 18 42				78.94	43.39N 148.02E
			ePcP	51					T0=23 06 40.4
			pP	56					h= 34
			sP	19 03					Mb=5.0 Ms=5.0
		SOP MK Z	iP	23 18 47.2				79.72	
			pP	59					
			sP	19 10					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
364.	04 26	BUD K N	eL	23 55 08					
			M	57 32	14.2	1.03			
			F	00 14 39					
		BUD K E	eL	23 53 30					
			M	57 49	12.0	0.64			
			F	00 21 02					
365.	04 27	BUD MK Z	i	14 18 36					
			i	57					
			e	19 12					
366.	04 27	SOP MK Z	P	15 12 40				85.57	37.09N 116.02W
			pP	45					T0=15 00 00.1
			sP	13 10					h= 0
									Mb=5.4
									EXP.
		SOP K Z	eP	15 12 39				85.57	
367.	04 28	BUD K N	Pn	03 42 45				2.88	44.85N 17.34E
			P*	51					T0=03 41 58.6
			iPg	56					h= 10
			i	43 04					M=4.0
			Sn	15					CSEM
			iSg	35					
			L	44 05					
			F	51 27					
		BUD K E	P*	03 42 51					
			iPg	56					
			i	43 28					
			L	44 12					
			F	50 49					
		BUD K Z	P*	03 42 51					
			i	43 04					
			S*	25					
			iSg	35					
			L	44 05					
			F	50 25					
		BUD MK Z	iPn	03 42 42.8				2.88	
			iP*	44					
			Pg	50					
			i	57					
			Sn	43 16					
			S*	24					
			Sg	30					
			M	35	1.0	0.47			
			F	47 48					
		BUD K2 N	ePn	03 42 52				2.88	
			iS*	43 34					
			iSg	39					
			L	44 07					
			F	46 37					
		BUD UT Z	ePg	03 43 11				2.88	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			Sn	38					
			S$	41					
			L	44 04					
			F	46 17					
		SOP MK Z	Pn	03 42 41				2.88	
			iP$	43					
			iPg	56					
			i	43 01					
			iSn	09					
			iSg	40					
			eL	56					
			F	47 50					
		SOP K Z	Pn	03 42 42				2.88	
			P$	45					
			Pg	55					
			Sn	43 14					
			iSg	34					
			eL	44 00					
			F	47 00					
368.	04 28	BUD K N	SKS/A	04 27 50				103.17	12.74N 145.01E
			eL	59 35					T0=04 03 12.9
			F	05 43 20					h= 45
									Mb=5.0 Ms=5.1
		BUD K E	eS	04 27 52					
			eL	56 33					
			F	05 46 18					
		BUD K Z	eL	05 02 13					
			F	43 21					
369.	04 28	BUD K N	eP$	06 22 34				2.61	45.15N 17.31E
			S$	23 08					T0=06 21 41.6
			i	18					h= 10
			L	24 03					
									CSEM
		BUD K E	ePn	06 22 31					
			S$	23 08					
			iSg	14					
			L	45					
		BUD K Z	S$	06 23 08					
			i	18					
		BUD MK Z	ePn	06 22 27				2.61	
			P$	29					
			i	32					
			iPg	35					
			iSn	55					
			iS$	23 03					
			iSg	09					
			F	25 38					
		BUD K2 N	eSg	06 23 13				2.61	
		BUD K2 E	eS$	06 23 08					
			eSg	13					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 Z	eS$	06 23 08					
		SOP MK Z	ePn	06 22 21				2.58	
			eP$	26					
			Pg	35					
			Sn	43					
			S$	58					
			Sg	23 00					
370.	04 30	BUD K N	pP	14 42 38				35.16	27 67N 56.39E
			sP	57					T0=14 35 41.7
			ePP	43 31					h= 53
			eL	59 46					M=5.7
			F	15 15 54					CSEM
		BUD K E	eP	14 42 31					
			eL	59 08					
			F	15 17 54					
		BUD K Z	eP	14 42 31					
			pP	38					
		BUD MK Z	P	14 42 32			+	35.16	
			i	34					
			pP	36					
			isP	46					
			PP	43 48					
			ePPP	44 21					
			PcP	45 03					
		SOP MK Z	P	14 42 43				36.79	
			i	47					
			ipP	57					
			isP	43 00					
			ePP	45 08					
371.	04 30	BUD K N	pP	16 31 27				46.81	32.42N 40.34W
									T0=16 22 45.3
									h= 33
									Mb=4.6 Ms=5.1
		BUD K E	eP	16 31 16					
		BUD K Z	esP	16 31 37					
		BUD MK Z	eP	16 31 15				46.81	
			i	17					
			pP	24					
			sP	40					
			ePcP	32 16					
		SOP MK Z	P	16 31 03	2.0	0.17	+	45.13	
			epP	12					
			esP	24					
		SOP K Z	P	16 31 00				45.13	
			pP	13					
372.	04 30	BUD K E	eL	21 35 50					
			F	43 29					
373.	04 30	BUD MK Z	eP	22 01 52				78.84	51.64N 173.43E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PcP	56					T0=21 49 40.7
			epP	02 06					h= 42
			esP	09					Mb=4.8 Ms=4.8
		SOP MK Z	eP	22 01 50				80.68	
			sP	02 03					
374.	04 30	BUD K N	e	22 39 33					
			e	43 07					
		BUD K E	eL	22 38 12					
			e	39 44					
			F	59 31					
375.	04 30	SOP MK Z	e	23 41 45					
			e	42 16					
			e	34					
376.	05 01	SOP MK Z	eP	00 22 26				96.95	6.11S 77.12W
			epP	29					T0=00 09 06.2
			sP	40					h=123
377.	05 01	SOP MK Z	P	01 09 26				82.12	2.12N 97.19E
			pP	44					T0=00 57 11.6
									h= 68
									Mb=4.8
378.	05 01	BUD MK Z	P	02 58 04			-	65.33	27.32N 101.23E
			pP	14					T0=02 47 22.9
			esP	20					h= 53
			ePcP	36					Mb=4.7
		SOP MK Z	P	02 58 12	1.1	0.01	-	66.89	
			pP	17					
			sP	22					
			PcP	37					
379.	05 01	SOP MK Z	eP	16 35 11				79.66	35.16N 132.61E
			iPcP	14					T0=16 23 01.7
			sP	27					h= 6
									Mb=4.5
380.	05 02	SOP MK Z	P	15 24 01				30.20	37.07N 55.26E
			pP	07					T0=15 17 53.1
			esP	32					h= 33
			PP	56					M=5.2
									CSEM
		SOP K Z	P	15 24 01				30.20	
381.	05 02	SOP K Z	ePPP	19 00 33				21.37	39.56N 44.00E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									T0=18 55 01.8 h= 42 Mb=4.7
382.	05 02	BUD K N	esP	22 07 18				94.25	7.18N 123.25E
			eL	31 40					T0=21 53 56.5
			F	23 29 34					h= 24
									Mb=5.7 Ms=5.5
		BUD K E	eP	22 07 05					
			ePP	11 04					
			ePPP	13 09					
			eL	24 56					
			F	23 38 49					
		BUD K Z	pP	22 07 13					
			ePPP	13 09					
			eL	36 49					
			F	23 36 49					
		BUD UT Z	eP	22 07 16				94.25	
			ePP	11 08					
			eL	28 24					
			F	23 27 24					
		SOP MK Z	P	22 07 22				95.79	
			PP	11 19					
383.	05 02	SOP MK Z	PKP/F	22 54 59	1.3	0.04	+	145.42	15.10S 177.70W
			pPKP/F	55 21					T0=22 35 18.2
									h= 33
									Mb=4.7
		SOP K Z	PKP/F	22 54 59				145.42	
			pPKP/F	55 07					
			PP	58 37					
384.	05 03	BUD MK Z	P	12 37 14				65.19	27.36N 101.05E
			epP	16					T0=12 26 33.0
			sP	27					h= 33
			iPcP	45					Mb=5.0
		SOP MK Z	eP	12 37 23				66.74	
			pP	29					
			esP	37					
			ePcP	38 17					
385.	05 04	BUD K N	eL	02 19 10				28.88	31.74N 50.87E
			F	26 56					T0=02 01 28.2
									h= 53
									M=5.8
									CSEM
		BUD K E	eS	02 11 52					
			eSSS	14 07					
			eL	18 46					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	29 41					
		BUD K Z	eSS	02 13 34					
			eL	19 36					
			F	29 33					
		SOP MK Z	P	02 07 35				30.52	
			i	36					
			ipP	48					
			isP	52					
			ePP	08 43					
			PPP	56					
386.	05 04	BUD K N	eSPP	02 51 42				39.30	36.93N 71.08E
			SS	53 45					T0=02 37 44.4
									h=122
									Mb=5.3
		BUD K E	eSSS	02 54 11					
		BUD K Z	e	02 53 07					
		SOP MK Z	P	02 45 18				41.15	
			pP	23					
			sP	38					
			PcP	47 23					
			PPP	31					
		SOP K Z	P	02 45 42				41.15	
			epP	46 00					
			PP	47 41					
			ePPP	48 18					
387.	05 04	SOP MK Z	e	11 20 23					EXP?
			F	21 13					
388.	05 04	SOP MK Z	i	13 09 15.8					EXP?
			F	58					
389.	05 04	SOP MK Z	i	14 20 06.9					EXP?
			F	40					
390.	05 05	BUD K N	epP	22 26 47				77.83	41.89N 142.33E
									T0=22 14 34.7
									h= 71
									Mb=5.0
		BUD K E	esP	22 26 51					
		SOP MK Z	iP	22 26 32.3	1.0	0.04	+	78.72	
			iPcP	36					
			pP	58					
			sP	27 08					
			i	26					
			ePPP	30 58					
		SOP K Z	P	22 26 31				78.72	
			sP	27 08					
391.	05 05	BUD UT Z	ePcP	23 21 34				13.37	34.81N 24.75E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									T0=23 13 13.8 h= 37
									CSEM
		SOP MK Z	P	23 16 38				14.24	
			sP	43					
			PP	58					
			ePPP	17 03					
392.	05 06	SOP MK Z	iP	04 05 32.6			+	78.94	45.94N 152.06E
			iPcP	38					T0=03 53 30.2
			epP	42					h= 29
			sP	46					Mb=5.4
			i	06 03					
		SOP K Z	P	04 05 33				78.94	
			sP	53					
393.	05 06	BUD K E	epP	21 49 43				78.44	46.51N 153.98E
			esP	50					T0=21 37 38.4
									h= 35
									Mb=5.2
		BUD K Z	eP	21 49 32					
			esP	43					
		BUD MK Z	eP	21 49 31				78.44	
			a	32	1.0	0.03			
			sP	49					
		SOP MK Z	P	21 49 40	1.0	0.04		79.07	
			sP	50 03					
394.	05 07	SOP MK Z	eP	01 09 31				80.73	28.99S 12.71W
			pP	44					T0=00 57 20.2
			esP	56					h= 33
									Mb=4.8
395.	05 07	BUD K N	P	02 19 07				26.27	71.91N 1.37W
			esP	21					T0=02 13 30.3
			PPP	20 18					h= 10
			iS	23 48					M=6.3
			eL	28 50					CSEM
			M	30 53	14.0	1.61			
			F	54 32					
		BUD K E	pP	02 19 09					
			PP	48					
			PcP	22 21					
			eL	27 52					
			M	29 14	15.4	3.08			
			F	03 06 55					
		BUD K Z	pP	02 19 09					
			SS	23 52					
			SSS	25 10					
			eL	27 40					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	30 56	13.8	2.70			
			F	53 54					
		BUD MK Z	P	02 19 05	1.2	0.02	+	26.27	
			ipP	09					
			sP	21					
			i	30					
			ePP	45					
			ePPP	20 15					
		BUD K2 N	sP	02 19 23				26.27	
			sS	23 48					
			eL	29 35					
			F	40 50					
		BUD K2 E	epP	02 19 17					
			eL	28 25					
			F	38 46					
		BUD K2 Z	eP	02 19 08					
			sP	23					
			PP	48					
			eSSS	25 07					
			eL	30 32					
			F	38 29					
		BUD UT Z	P	02 19 08			-	26.27	
			ePP	48					
			eS	23 11					
			SSS	25 12					
			L	26 07					
			M	28 08	21.0	2.47			
			F	58 51					
		SOP MK Z	P	02 19 00	2.0	0.17		25.69	
			ipP	13					
			sP	18					
			i	22					
			iPP	39					
			PPP	55					
			i	20 25					
		SOP K Z	P	02 19 00				25.69	
			pP	13					
			PP	34					
			PPP	20 23					
			PcP	22 55					
			SS	24 23					
			eL	27 01					
			M	30 18					
			F	49 03					
396.	05 07	BUD MK Z	ePKP/F	15 31 22				149.31	18.19S 172.42W
			PKP2/A	26					T0=15 11 37.2
			epPKP/A	52					h= 33
									Mb=5.0
		SOP MK Z	ePKP/F	15 31 26				149.67	
			pPKP/F	43					
			pPKP/A	57					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
397.	05 07	BUD MK Z	P	16 07 15				78.15	46.77N 153.82E
			e	16	1.0	0.03			T0=15 55 16.2
			PcP	22					h= 33
			pP	32					Mb=5.0 Ms=4.3
			esP	42					
		SOP MK Z	P	16 07 18	1.0	0.03	-	78.79	
			ipP	21					
			sP	26					
398.	05 07	BUD MK Z	eP	16 46 24				77.90	47.02N 153.70E
			pP	27					T0=16 34 27.0
									h= 16
									Mb=5.1
		SOP MK Z	iP	16 46 29.8	0.9	0.03	-	78.53	
			PcP	31					
			pP	35					
			sP	39					
399.	05 07	SOP MK Z	PKP/F	18 44 42				154.47	25.74S 179.94E
			PKP2/A	59					T0=18 25 33.4
			pPKP/F	46 31					h=450
			sPKP/F	47 22					Mb=5.4
			sPKP/A	48 02					
400.	05 07	BUD K Z	ePKP/F	19 55 20				149.06	17.98S 172.59W
			epPKP/A	56					T0=19 35 32.2
									h= 33
									Mb=5.0 Ms=4.5
		BUD MK Z	PKP/F	19 55 19				149.06	
			ePKP2/A	29					
			pPKP/F	32					
			pPKP/A	38					
		BUD K2 Z	PKP/F	19 55 21				149.06	
			epPKP/A	41					
		SOP K Z	PKP/F	19 55 17				149.44	
			pPKP/A	44					
401.	05 08	SOP MK Z	PKP/F	04 57 20				150.23	19.64S 175.93W
			PKP2/A	24					T0=04 37 31.5
			pPKP/A	28					h= 33
									Mb=5.0
		SOP K Z	PKP2/A	04 57 26				150.23	
			pPKP/A	36					
402.	05 08	BUD MK Z	ePn	10 03 45				4.25	43.23N 19.03E
			i	48					T0=10 02 43.5
			iP$	57					h= 10
			iPg	04 06					M=4.3
			iS$	49					CSEM

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iSg	05 07					
			eL	40					
			F	08 38					
		SOP MK Z	iPn	10 03 53.7			+	4.78	
			i	04 00					
			iP$	03					
			iPg	17					
			iSn	44					
			S$	58					
			Sg	05 14					
			eL	53					
		SOP K Z	Sn	10 04 46				4.78	
			S$	05 06					
			Sg	39					
			M	06 10					
			F	11 34					
403.	05 08	SOP MK Z	P	15 36 40				61.01	13.46N 44.90W
			pP	44					T0=15 26 25.5
			sP	58					h= 33
									Mb=4.9
404.	05 08	SOP MK Z	P	16 58 41				96.05	1.25S 81.06W
			sP	59 07					T0=16 45 16.0
									h= 27
									Mb=5.1
405.	05 08	SOP MK Z	eP	18 13 25				96.06	1.23S 81.09W
									T0=18 00 00.0
									h= 42
									Mb=5.1
406.	05 08	SOP MK Z	S$	23 12 26				6.42	49.77N 7.37E
			e	36					T0=23 09 24.1
			Sg	13 00					h= 33
407.	05 09	BUD K N	pPKP/A	10 46 10				149.56	49.80S 114.47W
									T0=10 25 54.2
									h= 33
									Mb=5.2 Ms=4.6
		BUD K E	ePKP/F	10 45 40					
		BUD K Z	PKP2/A	10 45 53					
		BUD MK Z	ePKP/F	10 45 36				149.56	
			PKP2/A	45					
			epPKP/F	51					
			pPKP/A	46 02					
		SOP MK Z	ePKP/F	10 45 36				148.09	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	46 15					
		SOP K Z	PKP/F	10 45 36				148.09	
			epPKP/A	54					
408.	05 09	BUD MK Z	P	15 14 48				81.41	27.13N 126.75E
			PcP	51					T0=15 02 44.6
			ipP	15 02					h=109
			sP	28					Mb=5.4
409.	05 10	SOP MK Z	i	09 33 25.2					EXP?
			F	34 12					
410.	05 11	BUD K N	e	11 29 05					
			e	15					
		BUD K E	e	11 29 03					
			e	05					
			e	17					
		BUD K Z	e	11 29 05					
		BUD MK Z	i	11 29 03					
			i	06					
			i	22					
411.	05 11	BUD K N	pP	23 51 56				26.09	33.22N 48.00E
			eL	00 03 04					T0=23 46 16.7
			F	12 23					h= 33
									Mb=4.8
		BUD K E	eP	23 51 50					
			pP	56					
			PPP	53 08					
			eL	00 03 08					
			F	14 09					
		BUD K Z	eP	23 51 50					
			esP	52 09					
			eL	00 04 30					
			F	15 23					
		BUD MK Z	iP	23 51 49.3	1.0	0.02	-	26.09	
			i	51					
			ipP	57					
			isP	52 05					
			ePP	33					
			PPP	47					
		BUD UT Z	ePPP	23 53 30				26.09	
			eL	00 02 47					
			F	11 32					
		SOP K Z	P	23 52 02				27.72	
			esP	23					
412.	05 12	SOP MK Z	PKP/F	00 32 13			+	152.84	22.29S 175.61W
			pPKP/A	39					T0=00 11 56.6
									h= 33
									Mb=4.8

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
413.	05 12	BUD K N	P	11 28 50				67.43	39.26N 117.70E
			sP	29 07					T0=11 17 53.1
			ePcP	18					h= 22
			S	37 45					Mb=5.8 Ms=5.4
			eL	51 35					
			M	59 29	11.9	2.96			
		BUD K E	P	11 28 50			-		
			pP	57					
			PP	31 37					
			i	38 50					
			eL	53 09					
			M	56 11	12.0	4.4			
		BUD K Z	P	11 28 50			-		
			pP	57					
			ScS	38 48					
			eL	53 31					
			M	12 00 42	12.4	3.00			
		BUD K2 N	eL	11 53 44				67.43	
			M	59 29	13.6	4.72			
			F	12 27 53					
		BUD K2 E	eP	11 28 49					
			esP	56					
			ePcP	29 12					
			eL	56 04					
			F	12 27 27					
		BUD UT Z	eL	11 52 49				67.43	
			M	58 13	14.6	4.0			
		SOP MK Z	iP	11 28 57.3	1.0	0.21	-	68.69	
			i	29 01					
			ipP	05					
			sP	12					
			iPcP	19					
			ePP	31 41					
			ePPP	33 20					
		SOP K Z	iP	11 28 56.5				68.69	
			ipP	29 05					
			PcP	38					
			PP	31 57					
			ePPP	32 29					
			eL	56 04					
			M	12 00 10					
414.	05 12	BUD K N	epP	12 30 32				63.59	21.74N 92.99E
			sP	44					T0=12 20 00.7
			iPcP	31 11					h= 40
			i	30					Mb=5.4 Ms=5.7
			PP	33 05					
			iS	39 01					
			iPS	20					
			SSP	45					
			eL	46 16					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	35	16.4	2.04			
			F	13 46 07					
		BUD K E	sP	12 30 44					
			iPcP	31 11					
			i	19					
			eSS	42 35					
			M	13 04 35	18.6	4.69			
		BUD K Z	eP	12 30 29					
			sP	44					
			iPcP	31 11					
			PPP	34 52					
		BUD K2 N	esP	12 30 46				63.59	
			eL	56 54					
			F	13 31 32					
		BUD K2 E	pP	12 30 40					
			ePcP	31 11					
			PP	33 20					
			eL	55 03					
			F	13 29 48					
		BUD K2 Z	eP	12 30 30					
			pP	40					
			PPP	34 18					
			eL	57 07					
		BUD UT Z	eP	12 30 31				63.59	
			pP	40					
			ePcP	31 07					
			PP	33 15					
			ePPP	34 53					
			eL	55 19					
			M	59 32	20.1	1.87			
			F	13 51 53					
		BUD UT Z	eP	12 30 31				63.59	
			pP	40					
			ePcP	31 07					
			PP	33 15					
			ePPP	34 53					
			eL	55 19					
			M	59 32	20.1	1.87			
			F	13 51 53					
		SOP MK Z	iP	12 30 38.7	1.1	0.07	-	65.23	
			pP	47					
			sP	31 02					
			iPcP	13					
			i	17					
			PP	33 16					
			PPP	34 55					
		SOP K Z	P	12 30 39				65.23	
			pP	53					
			sP	59					
			PcP	31 11					
			i	31					
			PP	33 03					
			PPP	35 00					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			S	39 19					
			ScS	40 47					
			eL	52 39					
			F	15 09 09					
415.	05 12	BUD K N	eP	14 13 47				86.31	16.00N 121.15E
			eL	48 17					T0=14 00 57.0
			F	15 14 27					h= 16
									Mb=5.0 Ms=4.9
		BUD K E	sP	14 13 56					
			eL	48 28					
			F	15 22 23					
		BUD K Z	eP	14 13 47			-		
			pP	50					
			PP	16 55					
			eL	48 24					
			F	15 22 29					
		BUD K2 N	eL	14 48 34				86.31	
			F	15 04 32					
		BUD K2 E	eL	14 48 40					
			F	15 09 38					
		BUD K2 Z	eP	14 13 46					
			pP	50					
			sP	57					
			eL	52 40					
			F	15 04 39					
		BUD UT Z	eP	14 13 46				86.31	
			esP	14 20					
			PP	17 17					
			eL	50 31					
			M	53 28	18.4	1.82			
			F	15 30 49					
		SOP MK Z	eP	14 13 50				87.81	
			epP	14 01					
			sP	31					
416.	05 12	SOP MK Z	PKP/F	15 44 24	1.0	0.04	-	148.39	18.21S 177.62W
			iPKP2/A	30					T0=15 25 46.2
									h=620
									Mb=4.8
417.	05 12	SOP MK Z	iP	21 49 09.7			-	76.15	50.16N 154.98E
			i	11					T0=21 37 33.4
			iPcP	19					h=126
			ipP	35					Mb=5.3
			isP	41					
			ePP	52 18					
		SOP K Z	P	21 49 09			-	76.15	
			PcP	15					
			sP	40					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
418.	05 13	SOP MK Z	P	01 38 58	1.8	0.12	-	81.54	38.28N 141.92E
			sP	39 20					T0=01 26 43.0
									h= 50
									M=4.9
419.	05 13	BUD MK Z	i	10 25 36.9					
			i	39					
			i	49					
420.	05 13	BUD K N	iP	11 25 33			-	87.42	28.42N 139.50E
			iSKS	35 18					T0=11 13 31.2
			S	31					h=430
			i	38 31					Mb=5.8
			eL	55 14					
			M	12 07 44	14.0	2.23			
			F	13 08 13					
		BUD K E	iP	11 25 33.0			-		
			ipP	27 14					
			isP	35					
			i	28 11					
			iSKS	35 18					
			PS	38 29					
			M	12 06 05	6.0	1.77			
			F	13 09 45					
		BUD K Z	iP	11 25 33.0	6.6		-		
			ipP	27 14					
			M	12 12 15	16.2	3.58			
			F	13 11 26					
		BUD MK Z	iP	11 25 32.8	1.2	0.25	-	87.42	
			i	44					
			pP	27 11					
			sP	35					
			PP	30 14					
			PPP	32 11					
		BUD K2 N	sP	11 27 54				87.42	
			F	12 38 54					
		BUD K2 E	iP	11 25 33.0					
			pP	27 14					
			F	12 42 52					
		BUD K2 Z	iP	11 25 33.0	8.0	2.51	-		
			pP	27 14					
			sP	54					
			F	12 41 41					
		BUD UT Z	iP	11 25 32.8	12.4	2.30	+	87.42	
			pP	27 12					
			isP	28 01					
			e	36 13					
			M	12 11 59	18.2	3.83			
			F	13 33 12					
		SOP MK Z	iP	11 25 37.7	1.4	0.36	-	88.54	
			i	26 21					
			pP	27 20					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	30					
			PP	30 54					
		SOP K Z	P	11 25 37.7	3.8	2.33	-	88.54	
			pP	26 48					
			sP	27 31					
			PP	30 27					
			S	35 52					
			sS	37 34					
			SS	43 16					
			SSS	47 19					
			F	12 39 07					
421.	05 13	BUD MK Z	eSg	16 19 54				9.00	39.14N 23.68E T0=16 14 34.3 h= 10 M=4.6
422.	05 13	BUD K N	Pn	18 19 58				9.00	39.12N 23.62E T0=18 17 48.0 h= 14 M=5.1 CSEM
			iP$	20 27					
			iPg	39					
			i	21 45					
			i	22 09					
			eL	23 10					
			M	24 15	12.8	5.23			
		BUD K E	Pn	18 19 58					
			e	20 08					
			e	18					
			i	21 10					
			e	49					
			iS$	22 15					
			iSg	34					
			eL	23 05					
		BUD K Z	Pn	18 19 58					
			e	21 49					
			i	23 07					
			eL	48					
			M	24 05	15.8	6.93			
		BUD MK Z	ePn	18 19 52				9.00	
			e	53					
			i	58					
			i	20 08					
			iP$	19					
			iPg	32					
			Sn	21 32					
			e	49					
			i	22 02					
			iS$	14					
			iSg	34					
		BUD K2 N	ePg	18 20 54				9.00	
			Sg	23 05					
			eL	45					
			M	24 15	12.4	5.70			

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 E	e	18 20 28					
			L	23 03					
			M	18	14.2	8.62			
		BUD K2 Z	Pn	18 20 16					
			ePs	42					
			e	22 09					
			eL	23 51					
			M	24 10	13.2	8.04			
		BUD UT Z	e	18 21 47				9.00	
			L	22 47					
			M	24 05	14.4	5.64			
		SOP MK Z	Pn	18 20 13	0.9	0.04	-	9.97	
			i	17					
			i	20					
			e	29					
			Ps	46					
			Pg	21 04					
			iSn	22 13					
			e	19					
			Ss	54					
			Sg	23 12					
		SOP K Z	ePn	18 20 34				9.97	
			ePs	21 05					
			ePg	32					
			Sn	22 05					
			Ss	23 06					
			L	27					
			M	25 00					
			F	42 55					
423.	05 14	BUD K N	ePn	03 40 35				4.83	43.13N 16.03E
			Ps	46					T0=03 39 23.7
			iSs	41 44					h= 35
			i	50					M=5.0
			iSg	42 05					CSEM
			L	34					
			M	42	8.2	1.14			
			F	47 38					
		BUD K E	Ps	03 40 46					
			iSn	41 35					
			iSs	44					
			iSg	42 05					
			eL	17					
			F	48 01					
		BUD K Z	ePg	03 40 55					
			iSg	42 05					
			eL	31					
			M	40	8.4	1.72			
			F	46 29					
		BUD MK Z	Pn	03 40 36				4.83	
			iPs	41					
			iPg	54					
			i	41 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iSn	29					
			iSg	57					
		BUD K2 N	Pn	03 40 51				4.83	
			ePg	41 17					
			Sg	42 14					
			eL	33					
			M	42	8.4	1.27			
			F	44 50					
		BUD K2 E	Pn	03 40 51					
			Sg	42 14					
			eL	27					
			F	45 29					
		BUD K2 Z	Pn	03 40 51					
			S$	42 06					
			Sg	14					
			eL	31					
			M	42	8.8	1.60			
			F	46 28					
		BUD UT Z	eS$	03 41 48				4.83	
			eSg	42 07					
			L	30					
			M	39	9.6	1.30			
			F	44 35					
		SOP MK Z	Pn	03 40 29	0.9	0.08	-	4.56	
			iP$	33					
			iPg	42					
			i	41 06					
			iSn	16					
			iS$	27					
			iSg	42 01					
		SOP K Z	Pn	03 40 30				4.56	
			P$	38					
			ePg	41 11					
			Sn	23					
			S$	38					
			iSg	42 09					
			L	18					
			F	48 24					
424.	05 14	BUD K E	e	06 47 37					
			e	51 38					
			e	54 04					
			eL	57 41					
			F	08 38 33					
425.	05 14	SOP MK Z	P	21 40 42	1.0	0.02	-	79.94	41.11N 143.69E T0=21 28 33.5 h= 26 Mb=4.8
			epP	46					
			sP	56					
426.	05 14	BUD K N	eL	21 55 03				17.58	38.66N 39.92E T0=21 43 41.5
			F	22 06 54					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									h= 10
									M=5.0
									CSEM
		BUD K E	S	21 50 51					
			SSS	51 39					
			eL	55 01					
			F	22 24 50					
		BUD K Z	e	21 53 48					
			eL	56 10					
			F	22 23 44					
		BUD MK Z	eP	21 47 44				17.58	
			sP	51					
			ePP	48 04					
			PPP	17					
		SOP MK Z	eP	21 48 06				19.21	
			isP	14					
			PP	33					
			ePPP	49 03					
427.	05 15	BUD MK Z	eP	00 32 21				75.41	49.58N 152.90E
			ePcP	30					T0=00 20 59.6
			pP	33 16					h=221
			sP	24					Mb=5.0
			ePP	34 42					
		SOP MK Z	P	00 32 23				76.02	
			PcP	30	0.9				
			pP	33 20					
			sP	40					
428.	05 15	BUD K N	eP	16 03 00				80.27	52.44N 168.02W
			epP	15					T0=15 50 47.1
			esP	29					h= 33
									Mb=5.3 Ms=4.7
		BUD K E	eP	16 03 00					
		BUD K Z	eP	16 03 00					
			epP	15					
		BUD MK Z	P	16 02 57	1.5	0.12	+	80.27	
			ipP	03 01					
			sP	11					
			i	23					
		BUD UT Z	eP	16 03 01				80.27	
			eL	37 25					
			F	17 13 51					
429.	05 15	BUD MK Z	P	19 31 55				72.50	12.03S 65.99E
			pP	57					T0=19 20 29.3
			sP	32 01					h= 33
			PcP	06					Mb=4.8 Ms=4.9
430.	05 15	SOP MK Z	eP	22 04 01				85.05	33.55N 141.02E
			pP	03					T0=21 51 09.4

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	16					h= 49
			i	05 35					Mb=5.3
431.	05 15	BUD K N	ipPKP/F	23 31 48				148.60	19.13S 177.67W
			e	32 11					T0=23 12 53.6
									h=499
									Mb=5.5
		BUD K Z	ePKP/F	23 31 40					
			epPKP/A	33 35					
		BUD K2 N	ePKP2/A	23 31 51				148.60	
		BUD K2 E	ePKP2/A	23 31 51					
		BUD K2 Z	ePKP/F	23 31 43					
		BUD UT Z	ePKP/F	23 31 41				148.60	
			ePKP2/A	46					
		SOP MK Z	PKP/F	23 31 39			-	149.24	
			im	45	1.8				
			iPKP2/A	53					
			i	32 05					
			pPKP/F	33 39					
			pPKP/A	43					
			sPKP/F	34 07					
			sPKP/A	40					
		SOP K Z	PKP/F	23 31 40				149.24	
			PKP2/A	53					
			pPKP/F	33 29					
			sPKP/F	34 21					
432.	05 16	SOP MK Z	eP	16 53 28				26.81	63.97N 22.68W
			epP	32					T0=16 47 45.1
			esP	54 02					h= 10
			ePP	21					M=4.6
									CSEM
433.	05 17	SOP MK Z	iP	14 20 12.5	1.3	0.05	+	87.70	7.35N 78.03W
			pP	20					T0=14 15 21.9
			esP	53					h= 8
									Mb=5.1
434.	05 18	SOP MK Z	iP	04 08 26.1	1.1	0.04	+	72.71	55.70N 160.82E
			i	42					T0=03 57 13.4
			pP	09 06					h=150
			sP	18					Mb=5.1
435.	05 18	BUD K N	eSg	17 29 43				8.93	40.39N 26.57E
									T0=17 24 44.0
									h= 10
									M=4.2
									CSEM
		BUD K E	eSg	17 29 43					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	50					
		BUD MK Z	eSg	17 29 34				8.93	
436.	05 19	SOP MK Z	P	00 14 38			+	32.11	29.75N 51.21E
			i	45					T0=00 08 18.0
			ipP	54					h= 50
			sP	57					M=4.7
			PP	15 57					CSEM
			PPP	16 04					
437.	05 19	BUD K E	e	13 31 37					
			e	42					
			e	32 19					
438.	05 19	BUD K E	P	23 05 22			+	34.81	27.20N 55.31E
			epP	32					T0=22 58 38.5
			PP	06 47					h= 78
			PPP	07 05					M=5.4
			SSS	13 36					CSEM
			eScS	15 44					
			eL	19 22					
			M	23 20	12.0	0.99			
		BUD K Z	P	23 05 22					
			sP	40					
			PP	06 47					
			eL	20 43					
		BUD MK Z	P	23 05 22	2.0	0.25	+	34.81	
			i	25					
			pP	40					
			sP	52					
			PP	06 57					
			PPP	07 03					
			ePcP	53					
		BUD K2 N	P	23 05 23				34.81	
		BUD K2 E	P	23 05 23					
			epP	42					
			ePP	06 47					
		BUD K2 Z	P	23 05 23					
		BUD UT Z	P	23 05 21				34.81	
			eSS	13 47					
			eL	19 15					
			M	23 25	14.4	1.20			
		SOP MK Z	iP	23 05 34.5	1.0	0.06	+	36.43	
			i	37					
			ipP	50					
			isP	06 01					
			PP	07 16					
			PPP	25					
			PcP	43					
		SOP K Z	P	23 05 35				36.43	
			sP	06 04					
			PP	07 04					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
439.	05 19	BUD K E	eP	23 11 45				34.78	27.24N 55.32E
			esP	12 12					T0=23 04 59.9
									h= 70
									M=5.7
									CSEM
		BUD K Z	eP	23 11 45					
			pP	52					
		BUD MK Z	P	23 11 44	0.9	0.03	+	34.78	
			i	47					
			epP	57					
			sP	12 16					
			ePP	13 06					
			ePPP	44					
		BUD K2 Z	eP	23 11 45				34.78	
		SOP MK Z	iP	23 11 57.7			+	36.41	
			i	12 00					
			pP	16					
			isP	30					
			PP	13 26					
			PcP	14 15					
		SOP K Z	P	23 11 57				36.41	
			pP	12 14					
440.	05 20	BUD MK Z	PKP/F	14 30 41				149.71	20.36S 177.74W
			i	43					T0=14 11 52.3
			ePKP2/A	50					h=533
									Mb=5.0
		SOP MK Z	PKP/F	14 30 44				150.38	
			PKP2/A	59					
441.	05 20	SOP MK Z	P	17 44 49	0.9	0.02		36.94	27.55N 56.49E
			pP	59					T0=17 37 46.4
			esP	45 15					h= 70
									M=5.0
									CSEM
442.	05 20	SOP MK Z	PKP/F	21 24 47				154.03	23.86S 176.55W
			pPKP/F	25 02					T0=21 04 58.0
			PKP2/A	04					h= 48
			ipPKP/A	22					Mb=5.6
		SOP K Z	epPKP/A	21 25 07				151.37	
443.	05 20	BUD K E	P	23 04 06			+	88.47	4.44S 101.97E
			epP	17					T0=22 51 13.9
			SKS	14 27					h= 37
			iPS	15 22					Mb=5.7 Ms=5.3
			SSP	16 21					
			eL	46 20					
		BUD K Z	P	23 04 06			+		
			sP	23					
			PP	07 29					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	48 43					
			F	00 16 48					
		BUD MK Z	P	23 04 05	1.3	0.05	+	88.47	
			epP	12					
			isP	20					
			i	36					
		BUD K2 E	epP	23 04 20				88.47	
		BUD K2 Z	P	23 04 05					
			esP	22					
		BUD UT Z	P	23 04 05				88.47	
			pP	16					
			eL	42 40					
			F	00 17 50					
		SOP MK Z	P	23 04 14			-	90.16	
			ipP	21					
			sP	31					
			PP	09 14					
444.	05 21	BUD K E	e	00 19 08					
			e	46					
			e	20 27					
			eL	01 05 41					
			F	16 15					
445.	05 21	BUD K E	iP	05 47 45.0			-	86.33	15.69N 120.82E
			pP	48 18					T0=05 35 22.5
			sP	39					h=189
			PPP	53 07					Mb=5.7
			iSKS	57 53					
			eL	06 08 45					
			F	07 25 29					
		BUD K Z	iP	05 47 45.0	6.4	1.25	-		
			PP	51 12					
			PPP	53 07					
			eL	06 13 31					
			F	07 36 24					
		BUD MK Z	iP	05 47 44.0	1.0	0.21	-	86.33	
			e	46					
			i	48 03					
			ipP	24					
			sP	34					
			PP	51 50					
		BUD K2 N	SKS	05 57 53				86.33	
			S	58 04					
			eL	06 12 07					
		BUD K2 E	P	05 47 45					
			SKS	57 53					
			S	58 04					
		BUD K2 Z	P	05 47 45			-		
			epP	48 29					
			PS	59 02					
		BUD UT Z	P	05 47 45				86.33	
			pP	48 33					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePP	52 05					
			S	58 06					
			sS	59 04					
			eL	06 08 38					
			F	07 29 31					
		SOP MK Z	iP	05 47 40.6			-	87.83	
			i	48 08					
			pP	25					
			isP	41					
			PP	52 50					
			ePPP	53 50					
		SOP K Z	iP	05 47 52.1			-	87.83	
			pP	48 39					
			esP	49 19					
			i	51 23					
			PP	52 04					
			S	06 00 33					
			SPP	52					
			PPS	02 49					
			SS	06 45					
			eL	26 25					
446.	05 21	SOP MK Z	P	13 53 15	1.9	0.11		89.48	27.58N 139.99E T0=13 40 55.0 h=340 Mb=5.1
447.	05 22	BUD K E	ePKP	23 46 08				149.11	19.52S 177.25W T0=23 27 03.8 h=350 Mb=5.2
			epPKP	47 16					
		BUD K Z	esPKP	23 47 42					
		BUD MK Z	PKP/F	23 46 13	1.0	0.03		149.11	
			iPKP2/A	20					
			epPKP/F	47 42					
			pPKP/A	48					
			esPKP/F	48 10					
			sPKP/A	19					
		SOP MK Z	iPKP/F	23 46 13.4	1.0	0.04	+	149.74	
			i	17					
			iPKP2/A	20					
			pPKP/F	40					
			pPKP/A	47					
			sPKP/F	48 11					
			sPKP/A	14					
448.	05 23	BUD K N	P	22 08 15				82.51	00.66N 98.67E T0=21 55 54.1 h= 40 Mb=5.5 Ms=4.7
			sP	32					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K Z	P	22 08 15					
			epP	26					
		SOP MK Z	P	22 08 22	1.0	0.63	+	84.19	
			pP	27					
			sP	34					
			i	41					
			PP	11 33					
		SOP K Z	P	22 08 22				84.19	
			pP	34					
			sP	09 00					
449.	05 24	SOP MK Z	e	06 42 34					EXP?
			F	43 21					
450.	05 24	BUD K N	P	07 59 23				91.37	25.47N 142.51E
			sP	08 00 03					T0=07 46 13.5
			S	09 55					h= 9
			sS	10 20					Mb=5.7 Ms=5.3
			eL	35 38					
			F	09 08 16					
		BUD K E	P	07 59 23					
			S	08 09 55					
			eL	35 16					
			M	44 15	15.6	0.99			
			F	09 06 53					
		BUD K Z	P	07 59 23					
			eL	08 40 40					
			M	44 18	16.0	1.20			
			F	09 10 27					
		BUD MK Z	P	07 59 22	1.0	0.02	+	91.37	
			i	26					
			ipP	30					
			sP	35					
			PP	08 03 09					
		BUD K2 N	eL	08 38 33				91.37	
			F	49 49					
		BUD K2 E	eL	08 38 25					
			F	49 30					
		BUD K2 Z	eP	07 59 23					
			eL	08 43 51					
			F	51 49					
		SOP MK Z	eP	07 59 25				92.48	
			ipP	30					
			sP	40					
		SOP K Z	P	07 59 26				92.48	
			sP	45					
			PP	08 03 33					
			PPP	04 40					
			SSP	12 49					
			eL	44 31					
			F	54 18					
451.	05 24	BUD K N	PPP	10 43 38				98.34	18.81N 145.35E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SKS	46 54					T0=10 23 23.4
			L	11 12 28					h=207
			M	15 17	23.4	5.12			Mb=5.7
			F	12 27 57					
		BUD K E	isP	10 37 57					
			SKS	46 54					
			eL	11 13 32					
			M	15 17	21.4	6.86			
			F	12 29 41					
		BUD K Z	P	10 36 42					
			pP	37 29					
			PP	41 36					
			i	42 30					
			sS	49 10					
			eL	11 13 05					
			F	12 27 44					
		BUD MK Z	epP	10 37 37				98.34	
			isP	38 05					
			i	15					
			iPP	41 40					
			ePPP	42 50					
		BUD K2 N	SKS	10 46 57				98.34	
			eSSP	51 38					
			eL	11 13 15					
			F	51 01					
		BUD K2 E	SKS	10 46 57					
			eS	47 38					
			esS	48 52					
			eL	11 13 33					
			F	47 49					
		BUD K2 Z	eP	10 36 41					
			epP	37 29					
			ePP	41 30					
			eL	11 19 46					
			F	50 53					
		BUD UT Z	eP	10 36 43				98.34	
			pP	37 30					
			ePP	41 30					
			PPP	43 11					
			sS	49 09					
			PS	50 26					
			eL	11 13 36					
			M	24 31	16.4	1.99			
			F	12 29 27					
		SOP K Z	pP	10 37 36				99.48	
			sP	38 16					
			PP	41 36					
			eS	47 14					
			PS	50 04					
			eL	11 16 26					
			F	49 10					
452.	05 24	BUD K N	eP	12 50 20				34.91	27.09N 55.35E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	38					T0=12 43 31.5
			PP	51 43					h= 47
									M=5.0
									CSEM
		BUD K E	eP	12 50 20					
			eS	55 40					
		BUD K Z	eP	12 50 20					
		BUD MK Z	eP	12 50 13				34.91	
			ipP	23					
			sP	26					
			iPP	51 47					
			PPP	52 04					
		SOP MK Z	eP	12 50 32				36.53	
			epP	42					
			esP	46					
453.	05 24	BUD K N	eP	13 06 04				34.90	27.21N 55.47E
			S	10 35					T0=12 59 16.9
			eL	20 14					h= 70
									M=5.1
									CSEM
		BUD K E	eP	13 06 04					
			epP	24					
			esP	40					
			PP	07 35					
			sS	12 08					
			SS	13 32					
			eL	20 21					
			F	39 00					
		BUD K Z	eP	13 06 04					
			ePcP	08 30					
			F	52 49					
		BUD MK Z	P	13 06 03				34.90	
			ipP	24					
			isP	36					
			ePP	07 23					
			PPP	50					
			iPcP	08 27					
		BUD K2 N	eL	13 21 29				34.90	
			F	31 55					
		BUD K2 E	eL	13 21 10					
			F	33 44					
		BUD K2 Z	eP	13 06 04					
			F	35 55					
		SOP MK Z	eP	13 06 15	1.8	0.09		36.53	
			sP	48					
		SOP K Z	eP	13 06 16				36.53	
			pP	30					
			eL	22 58					
			F	34 58					
454.	05 24	BUD K N	e	13 45 08					EXP?
			e	10					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	e	13 45 08					
			e	12					
		BUD MK Z	a	13 45 08	0.9	0.03			
			i	12					
			i	14					
455.	05 25	BUD K N	eP	11 07 35				27.66	34.85N 52.05E
			pP	43					T0=11 01 50.5
			PP	08 32					h= 53
			PPP	45					M=5.3
			eL	14 48					CSEM
			F	36 00					
		BUD K E	eP	11 07 35					
			pP	43					
			eL	12 44					
			M	13 13	10.6	0.51			
			F	39 42					
		BUD K Z	eP	11 07 35					
			pP	43					
			PPP	08 45					
			ePcP	10 38					
			eL	12 57					
			F	38 45					
		BUD MK Z	P	11 07 34				27.66	
			pP	43					
			sP	48					
			i	59					
			PP	08 23					
			PPP	45					
			ePcP	10 23					
		SOP MK Z	P	11 07 48				29.33	
			epP	08 02					
			esP	10					
			PP	09 00					
			ePPP	19					
		SOP K Z	iP	11 07 48.6			+	29.33	
			pP	08 05					
			PPP	09 28					
			eS	12 42					
			eSS	14 01					
			F	33 27					
456.	05 25	BUD K N	eSg	12 02 22				5.28	45.34N 26.01E
									T0=11 59 23.2
									h= 38
									Mb=4.6
		BUD K E	eS*	12 02 14					
457.	05 25	BUD K N	ePKP2/A	12 28 44				147.09	17.85S 178.61W
			F	13 08 32					T0=12 10 01.2
									h=570
									Mb=5.4

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	ePKP/F	12 28 42					
			F	13 09 15					
		BUD K Z	ePKP/F	12 28 42					
			F	13 23 36					
		BUD MK Z	iPKP/F	12 28 41.8	1.0	0.05	+	147.09	
			iPKP2/A	45					
			i	29 08					
			pPKP/F	30 50					
			epPKP/A	31 09					
			sPKP/A	32 15					
		BUD K2 Z	PKP/F	12 28 42				147.09	
			ePKP2/A	46					
		SOP MK Z	PKP/F	12 28 42				147.75	
			PKP2/A	47					
		SOP K Z	iPKP/F	12 28 44.1			+	147.75	
			PKP2/A	49					
			pPKP/F	30 59					
458.	05 25	BUD MK Z	P	15 07 39	1.5	0.13		77.94	4.23N 95.77E
			ipP	43					T0=14 55 45.0
			iPcP	47					h= 56
			isP	54					Mb=5.9
			i	08 06					
			iPP	10 42					
			ePPP	12 03					
		BUD K2 N	P	15 07 42				77.94	
			eS	17 26					
			ScS	56					
			eL	29 03					
			F	16 25 29					
		BUD K2 E	P	15 07 42					
			esP	56					
			ePP	11 09					
			eS	17 26					
			sS	32					
			eL	28 12					
			F	16 28 08					
		BUD K2 Z	P	15 07 42					
			PcP	47					
			pP	53					
			SSP	19 13					
			F	16 26 47					
		BUD UT Z	P	15 07 41			-	77.94	
			sP	54					
			i	08 20					
			PP	11 06					
			eS	17 29					
			eSSP	19 06					
			eL	29 18					
			M	45 54	20.2	1.95			
			F	16 57 25					
		SOP MK Z	iP	15 07 47.7	1.2	0.12	+	79.62	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipP	59					
			isP	08 15					
			i	39					
			ePP	10 49					
			PPP	12 24					
		SOP K Z	iP	15 07 48.6	3.0	0.99	+	79.62	
			isP	08 02					
			i	20					
			PP	11 05					
			S	17 43					
			sS	18 03					
			ePS	10					
			eL	27 01					
			F	16 33 42					
459.	05 25	SOP MK Z	P	17 12 41	1.2	0.05		85.58	37.09N 116.04W
			sP	58					T0=17 00 00.1
									h= 0
									Mb=5.3
									EXP.
		SOP K Z	P	17 12 41				85.58	
460.	05 25	SOP MK Z	iP	21 13 20.2			-	33.71	29.35N 53.36E
			ipP	29					T0=21 06 40.9
			isP	38					h= 22
									M=5.2
									CSEM
461.	05 26	BUD MK Z	P	01 39 49	1.1	0.14	-	20.31	38.92N 44.41E
			isP	59					T0=01 35 18.2
			iPP	40 01					h= 6.4
			PPP	05					M=5.9
			eS	42 51					CSEM
			eSSS	43 38					
			ePcP	44 32					
		BUD K2 N	P	01 39 49				20.31	
			ePP	40 23					
			PPP	32					
			sS	43 44					
			eL	48 02					
			F	02 18 51					
		BUD K2 E	P	01 39 49					
			sP	40 13					
			PPP	32					
			sS	43 44					
			PcP	49					
			SSS	44 30					
			eL	49 09					
			F	02 29 48					
		BUD K2 Z	P	01 39 49					
			sP	40 13					
			i	41 17					
			eS	43 37					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SSS	44 30					
			eL	49 31					
			F	02 19 35					
		BUD UT Z	eP	01 39 49				20.31	
			esP	40 03					
			iPPP	21					
			i	42 08					
			sS	43 46					
			SS	44 03					
			eL	45 58					
			M	52 38	16.0	6.81			
			F	03 01 46					
		SOP MK Z	iP	01 40 06.6				21.98	
			ipP	09					
			isP	36					
			iPP	44					
			iPPP	52					
			PcP	43 34					
			SS	44 59					
		SOP K Z	P	01 40 05				21.98	
			i	11					
			pP	17					
			iPP	49					
			PPP	41 04					
			PcP	44 11					
			SSS	45 13					
			eL	50 21					
			M	51 05					
462.	05 26	BUD MK Z	e	09 51 28					EXP?
			M	34	0.9	0.03			
			F	50					
463.	05 26	BUD K N	P	09 55 04				20.36	38.93N 44.48E
			ePP	47					T0=09 50 28.3
			ePcP	59 08					h= 66
			eL	10 05 01					M=4.8
			F	14 30					CSEM
		BUD K E	P	09 55 04					
			esP	24					
			PPP	52					
			eL	10 04 15					
			F	10 54					
		BUD K Z	P	09 55 04					
			eL	10 05 36					
			F	14 32					
		BUD MK Z	P	09 54 57	0.8	0.01	+	20.36	
			isP	55 14					
			ePP	25					
			PPP	49					
		BUD K2 Z	eP	09 55 04				20.36	
			ePP	45					
		BUD UT Z	esP	09 55 15				20.36	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PcP	59 05					
			eL	10 04 11					
			F	18 37					
		SOP MK Z	P	09 55 16			+	22.02	
			i	18					
			pP	29					
			esP	47					
			PP	56 01					
			ePPP	04					
		SOP K Z	P	09 55 16				22.02	
			pP	19					
464.	05 26	BUD K N	S	22 52 02				35.27	27.65N 56.55E
			eSSS	55 08					T0=22 39 29.1
			eScS	56 42					h= 39
									Mb=4.8
		BUD K E	S	22 52 02					
			sS	08					
			eL	23 02 15					
			F	19 17					
		SOP MK Z	eP	22 46 31				36.92	
			i	35					
			ipP	41					
			sP	53					
			ePP	47 27					
465.	05 27	BUD K N	e	00 15 39				4.38	43.10N 19.07E
			e	16 05					T0=00 13 09.5
									h= 33
		BUD K E	S	00 15 26					
			Sg	34					
466.	05 27	BUD K N	eP	02 39 49				39.72	37.63N 72.24E
			ePP	41 29					T0=02 32 25.9
									h=123
									Mb=4.9
		BUD K E	eP	02 39 49					
		BUD K Z	eP	02 39 49					
		BUD MK Z	P	02 39 48	1.2	0.04	-	39.72	
			pP	40 11					
			sP	17					
			ePP	41 27					
			ePcP	50					
		SOP MK Z	iP	02 40 02.0	1.5	0.06	-	41.35	
			pP	09					
			sP	46					
			PP	41 44					
			ePcP	42 19					
			PPP	39					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	P	02 40 01				41.35	
			pP	10					
467.	05 27	SOP MK Z	ePP	06 08 59				100.66	1.73S 120.52E
			ePPP	11 07					T0=05 51 48.1
									h= 54
									Mb=4.9 Ms=5.8
468.	05 27	BUD MK Z	SP	11 44 00				137.55	14.28S 167.05E
			ePS	16					T0=11 11 12.6
			i	48					h=170
			PPS	45 49					Mb=4.2
469.	05 27	BUD K N	eP	22 35 03				13.46	35.27N 26.64E
			esP	27					T0=22 31 52.4
			ePcP	39 45					h= 88
			eL	40 10					M=4.9
			F	55 23					CSEM
		BUD K E	PP	22 35 20					
			SS	38 18					
			eL	39 38					
			F	52 53					
		BUD K Z	eP	22 35 03					
			eL	40 38					
			F	52 43					
		BUD MK Z	eP	22 34 57				13.46	
			pP	35 10					
			sP	21					
		BUD K2 E	PcP	22 40 30				13.46	
		SOP MK Z	P	22 35 11				14.50	
			pP	34					
			sP	45					
470.	05 28	BUD K N	sS	06 17 20				99.04	1.73S 120.52E
			eL	19 38					T0=05 51 48.1
			F	07 38 30					h= 54
									Mb=5.9 Ms=5.8
		BUD K E	PP	06 09 40					
			i	11 16					
			PPP	12 07					
			iS	16 45					
			ePS	17 45					
			eL	19 23					
			F	07 54 42					
		BUD MK Z	PP	06 09 30				99.04	
			ePPP	11 53					
		BUD K2 N	eL	06 20 21				99.04	
		BUD K2 E	ePP	06 09 40					
			eL	20 33					
		BUD UT Z	ePP	06 09 47				99.04	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	19 21					
			F	07 51 52					
		SOP K Z	PP	06 09 08				100.66	
			F	35 52					
471.	05 28	BUD K N	e	11 12 40					
			e	51					
			e	13 13					
		BUD K E	e	11 12 35					
			e	40					
			e	45					
472.	05 28	BUD UT Z	e	15 23 13					
			eL	16 32 19					
			F	17 09 47					
473.	05 28	SOP MK Z	ePKP2/A	15 29 43				159.31	64.93S 175.48E
			epPKP/A	30 06					T0=15 09 11.7
			i	31 27					h= 33
									Mb=5.1
		SOP K Z	PKP/F	15 28 35				159.31	
			pPKP/F	48					
			PKP2/A	29 04					
			ePP	32 59					
			SKS/F	35 23					
			PPP	41 42					
474.	05 28	BUD K N	PKP2/A	15 30 44				158.44	64.94S 175.68E
			eL	16 42 40					T0=15 10 13.0
			F	55 00					h= 33
									Mb=5.7 Ms=5.4
		BUD K E	epPKP/F	15 30 20					
			eL	16 39 30					
			F	17 06 32					
		BUD K Z	PKP/F	15 30 08					
			pPKP/A	31 10					
			F	16 54 18					
		BUD MK Z	ePKP/F	15 30 02				158.44	
			pPKP/F	09					
			PKP2/A	42					
			pPKP/A	52					
475.	05 29	BUD K N	esP	02 30 19				43.40	23.37N 64.55E
			eS	36 30					T0=02 22 03.8
			sS	44					h= 33
			eL	54 43					Mb=4.9 Ms=4.5
		BUD K E	pP	02 30 14					
			PPP	32 53					
			eL	51 27					
		BUD K Z	eP	02 30 08					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD MK Z	eP	02 30 07				43.40	
			pP	15					
			esP	20					
			ePcP	31 53					
			ePP	32 06					
		BUD UT Z	eP	02 30 08				43.40	
			epP	18					
			eL	51 37					
			F	03 03 44					
		SOP MK Z	P	02 30 19	1.1	0.02	-	45.06	
			i	25					
			ipP	30					
			isP	34					
			PcP	31 51					
			PP	32 17					
			PPP	35					
		SOP K Z	P	02 30 20				45.06	
			sP	47					
476.	05 29	BUD K N	P	03 04 25				38.63	49.94N 78.84E
			sP	40					T0=02 56 57.8
			PP	05 56					h= 0
			eL	20 43					Mb=5.6 Ms=5.0
									NUC. EXP.
		BUD K E	P	03 04 25					
			epP	35					
			PP	05 56					
			eL	20 28					
			F	31 43					
		BUD K Z	P	03 04 25					
			eL	20 41					
			F	29 47					
		BUD MK Z	iP	03 04 25.2	0.9	0.03	+	38.63	
			pP	31					
			esP	39					
			PP	05 52					
			PPP	06 12					
			PcP	28					
			eS	09 37					
477.	05 29	SOP MK Z	P	03 28 48			+	45.05	23.40N 64.56E
			pP	49					T0=03 20 35.1
			sP	29 03					h= 33
									Mb=4.6
478.	05 29	BUD K N	e	16 15 34					
			e	17 31					
			eL	26 15					
			F	39 28					
		BUD K E	e	16 15 30					
			e	16 53					
			eL	28 21					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	45 40					
		BUD K Z	e	16 15 28					
			e	16 17					
			eL	27 03					
			F	52 28					
479.	05 30	SOP MK Z	e	03 47 47					
			e	48 05					
			e	17					
480.	05 30	BUD K N	P	15 28 11			+	80.19	52.42N 169.70W
			esP	41					T0=15 16 01.6
			eL	44 10					h= 33
			M	16 12 53	17.6	3.03			Mb=5.6 Ms=6.0
			F	26 11					
		BUD K E	P	15 28 11			+		
			pP	16					
			ePP	31 21					
			PPP	32 52					
			eL	43 43					
			M	16 06 52	21.0	6.94			
			F	26 07					
		BUD K Z	P	15 28 11					
			pP	16					
			eL	43 13					
			M	16 06 41	20.4	7.45			
			F	26 23					
		BUD MK Z	iP	15 28 10.7	1.0	0.05	+	80.19	
			ipP	15					
			isP	25					
			i	40					
			PP	31 06					
		BUD K2 N	eP	15 28 14				80.19	
			eSKS	38 20					
			PS	39 13					
			eL	43 39					
			F	16 57 46					
		BUD K2 E	epP	15 28 19					
			esP	39					
			esS	38 36					
			eL	52 13					
			F	17 01 49					
		BUD UT Z	eP	15 28 12				80.19	
			eL	42 18					
		SOP MK Z	iP	15 28 10.9			+	80.13	
			ipP	15					
			isP	25					
			i	31					
		SOP K Z	iP	15 28 09.8			+	80.13	
			pP	16					
			sP	30					
			ePPP	34 44					
			S	39 11					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SSP	40 49					
			eL	48 01					
			F	17 05 17					
481.	05 30	BUD K N	e	17 35 36					
			e	40 41					
			eL	49 06					
			F	18 12 47					
		BUD K E	e	17 35 41					
			e	37 33					
			eL	47 06					
			F	18 15 49					
		BUD K Z	e	17 36 20					
			e	38 36					
			eL	45 43					
		BUD UT Z	e	17 38 50					
			eL	45 13					
			F	18 38 41					
482.	05 30	SOP MK Z	P	18 11 46			+	21.87	38.92N 44.24E T0=18 06 53.8 h= 10 M=4.3 CSEM
			pP	48					
			PPP	12 29					
483.	05 31	SOP MK Z	iPKP	15 07 05.4			-	136.26	11.81S 166.50E T0=14 47 59.1 h=138 Mb=5.6
			i	07					
			epPKP	24					
		SOP K Z	PKP	15 07 05				136.26	
			iPP	10 21					
484.	06 01	BUD K2 Z	eSg	02 19 10				4.49	43.20N 20.95E T0=02 16 38.3 h= 10 M=3.2 CSEM
		SOP MK Z	Pn	02 17 58				5.44	
			e	59					
			e	18 07					
			P$	10					
			e	12					
			Pg	22					
			Sn	59					
			e	19 03					
			e	15					
			S$	19					
			e	26					
			iSg	40					
485.	06 01	BUD MK Z	ePKP/F	09 17 24				151.62	21.19S 174.36W T0=08 57 30.9
			ipPKP/F	33					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PKP2/A	44					h= 33
			pPKP/A	51					Mb=5.2 Ms=5.2
		SOP MK Z	ePKP/F	09 17 21				152.13	
			epPKP/F	26					
			PKP2/A	31					
			epPKP/A	40					
		SOP K Z	ePKP/F	09 17 25				152.13	
			pPKP/F	35					
486.	06 01	BUD MK Z	P	12 58 11				14.80	36.06N 31.72E
			i	15					T0=12 54 42.9
			isP	23					h= 10
			iPP	27					M=6.0
			iPPP	32					CSEM
			S	13 01 05					
			SS	14					
			SSS	50					
			eL	02 21					
		BUD K2 N	P	12 58 12				14.80	
			ePPP	35					
			eS	13 00 52					
			SS	01 11					
			SSS	33					
			L	03 58					
			M	05 26	9.6	10.58			
			F	14 35 44					
		BUD K2 E	P	12 58 12			+		
			sP	25					
			eL	13 04 40					
			M	06 55	11.2	12.35			
			F	14 34 13					
		BUD K2 Z	P	12 58 12	1.9	3.94	-		
			i	59					
			S	13 00 57					
			eL	04 17					
			M	05 54	7.2	7.28			
			F	14 25 56					
		BUD UT Z	P	12 58 13	8.4	2.17	+	14.80	
			PPP	43					
			S	13 00 58					
			i	02 20					
			iPcP	03 23					
			eL	51					
			F	56 57					
		SOP MK Z	iP	12 58 27.4	2.0	0.15	-	16.16	
			isP	31					
			iPPP	59 00					
			i	37					
			S	13 01 26					
			SS	40					
			eL	02 00					
		SOP K Z	iP	12 58 27.9			-	16.16	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	33					
			PP	43					
			PPP	59 03					
			SS	13 01 51					
			SSS	02 00					
			eL	21					
			M	05 39					
			F	48 31					
487.	06 01	SOP MK Z	i	15 02 19.0					
			i	21					
			i	30					
488.	06 02	BUD K Z	eSn	13 35 55				8.20	53.02N 9.57E
			e	36 11					T0=13 32 18.4
			Sg	49					h= 10
									M=4.0
									CSEM
		BUD MK Z	ePn	13 34 19				8.20	
			e	22					
			i	29					
			i	35					
			Pg	54					
		SOP MK Z	ePn	13 34 01				6.96	
			e	08					
			e	16					
			eP$	26					
			ePg	40					
			e	35 16					
			eSn	30					
			S$	47					
			Sg	49					
			i	36 48					
		SOP K Z	eSg	13 36 04				6.96	
489.	06 02	BUD K N	pP	15 01 12				26.45	63.56N 19.29W
			sP	23					T0=14 55 33.9
			PcP	04 44					h= 10
			S	05 42					M=5.8
			SS	06 52					CSEM
			iSSS	07 48					
			eL	10 52					
			F	47 44					
		BUD K E	pP	15 01 12					
			PP	54					
			PcP	04 44					
			sS	05 55					
			eL	10 20					
			M	14 08	16.2	4.39			
			F	16 07 53					
		BUD K Z	eP	15 01 10					
			PPP	02 06					
			eL	11 32					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	14 12	15.6	2.37			
			F	47 29					
		BUD MK Z	P	15 01 10			-	26.45	
			pP	17					
			isP	34					
			iPP	51					
			PPP	02 06					
		BUD K2 N	esS	15 06 05				26.45	
			SSS	07 14					
			eL	10 40					
			F	36 49					
		BUD K2 E	esP	15 01 29					
			SSS	07 14					
			eL	10 51					
			M	13 45	15.6	3.80			
			F	35 28					
		BUD K2 Z	eP	15 01 10					
			ePP	02 07					
			ePPP	31					
			ePcP	04 33					
			eL	13 37					
			F	27 32					
		BUD UT Z	eP	15 01 10				26.45	
			esP	38					
			eSSS	07 12					
			eL	09 34					
			M	14 11	16.0	2.88			
			F	59 22					
		SOP MK Z	P	15 01 00	1.5	0.05	-	25.26	
			pP	13					
			esP	23					
			ePP	45					
			ePPP	02 33					
		SOP K Z	P	15 00 54				25.26	
			pP	59					
			PP	01 33					
			PcP	04 26					
			sS	05 41					
			SS	06 14					
			SSS	38					
			eL	11 05					
			F	47 32					
490.	86 02	BUD K N	e	17 28 38					
			e	29 41					
			eL	50					
			M	30 10	11.2	0.54			
			F	36 56					
		BUD K E	e	17 28 05					
			e	35					
			eL	29 25					
			M	30 13	14.0	0.76			
			F	36 27					

No.	Date	Sta. Inst. Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K Z	e	17 28 22					
			e	29 18					
			eL	52					
			M	30 08	10.6	0.76			
			F	38 32					
491.	06 03	BUD K N	eP	01 12 45				38.26	39.87N 71.78E
			esP	55					T0=01 05 23.7
			S	18 41					h= 24
			eL	26 30					Mb=5.1 Ms=5.0
			M	31 00	10.6	1.45			
			F	02 08 47					
		BUD K E	i	01 13 15					
			PPP	14 34					
			iPcP	48					
			eL	26 40					
			M	31 06	10.4	1.54			
			F	02 09 32					
		BUD K2 N	epP	01 12 56				38.26	
			eL	26 52					
			F	48 51					
		BUD K2 E	P	01 12 49					
		BUD K2 Z	P	01 12 49					
			ePP	14 13					
			eL	26 44					
			F	44 49					
		BUD UT Z	P	01 12 48				38.26	
			esS	19 05					
			ScS	23 11					
			eL	26 31					
			F	58 52					
		SOP MK Z	P	01 12 58				39.88	
			pP	13 13					
			sP	33					
			i	14 20					
			iPP	48					
			PPP	15 03					
			PcP	14					
			S	19 03					
			SSP	33					
		SOP K Z	P	01 13 01				39.88	
			PP	14 38					
			PPP	15 06					
			eS	18 26					
			ScS	23 06					
			eL	30 21					
			F	56 40					
492.	06 03	BUD K N	i	02 39 01			-	39.35	36.43N 70.76E
			isP	05					T0=02 31 04.7
			iS	44 02					h=210
			eL	46 29					Mb=5.5
			F	03 37 52					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	iP	02 38 15			+		
			pP	59					
			PP	40 22					
			iS	44 02					
			eL	46 54					
			F	03 38 50					
		BUD K Z	iP	02 38 15.2	4.6		+		
			i	41					
			eL	46 38					
			F	03 34 25					
		BUD K2 N	eL	02 46 58				39.35	
			F	03 13 49					
		BUD K2 E	P	02 38 16			-		
			ipP	39 00					
			PcP	40 16					
			PP	22					
			S	44 02					
			eL	46 39					
		BUD K2 Z	P	02 38 16	2.8	2.48	+		
			ipP	39 00					
			isP	23					
			PcP	40 16					
			i	32					
			eL	47 17					
			F	03 13 12					
		BUD UT Z	iP	02 38 17.2			-	39.35	
			esP	41					
			PPP	40 42					
			S	44 04					
			eL	45 18					
			F	03 23 32					
		SOP MK Z	iP	02 38 27.6			+	41.00	
			i	32					
			ipP	39 13					
			isP	43					
			iPcP	40 24					
			iPP	51					
			iPPP	41 06					
			S	44 22					
			sS	45 31					
			esP	40					
			eSPP	48					
			ScS	47 39					
		SOP K Z	iP	02 38 28.7	2.4	1.67	+	41.00	
			i	45					
			ipP	39 14					
			isP	32					
			PcP	40 08					
			iPP	30					
			PPP	41 08					
			S	44 19					
			sP	45 44					
			eL	46 14					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			M	53 58					
			F	03 27 20					
493.	06 03	BUD MK Z	i	12 09 43					
			i	10 13					
			i	27					
494.	06 03	SOP MK Z	PKP/F	14 51 50	1.0	0.11		149.08	18.94S 177.63W
			ePKP2/A	52 08					T0=14 33 07.0
									h=573
									Mb=5.3
		SOP K Z	PKP/F	14 51 47				149.08	
495.	06 03	SOP MK Z	PKP	15 36 47			-	138.29	14.14S 166.56E
			epPKP	37 01					T0=15 17 25.1
									h= 38
									Mb=5.4
		SOP K Z	PKP	15 36 48			-	138.29	
			pPKP	37 00					
			iPP	39 48					
			F	45 48					
496.	06 03	SOP MK Z	iP	23 02 14.4	1.1	0.04	-	81.09	40.52N 145.30E
			pP	22					T0=22 50 01.5
			i	25					h= 33
			sP	28					Mb=5.0
		,							
		SOP K Z	esP	23 03 01				81.09	
497.	06 04	SOP MK Z	e	09 26 40					
			e	42					
			e	48					
498.	06 04	SOP MK Z	eP	15 10 01				54.66	56.26N 111.64E
			sP	12					T0=15 00 33.4
			PcP	51					h= 33
			ePP	12 32					Mb=4.9
499.	06 04	BUD K N	e	15 26 49					
			e	27 07					
			e	28 21					
			eL	30 56					
			M	35 26	14.8	0.07			
			F	46 27					
		BUD K E	e	15 25 39					
			e	28 13					
			eL	31 11					
			M	35 24	14.6	0.04			
			F	47 55					
		BUD K Z	e	15 26 21					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	27 11					
			eL	31 18					
			M	35 28	15.0	1.08			
			F	48 54					
500.	06 05	SOP MK Z	PP	03 04 14				105.12	23.86S 70.15W
			i	46					T0=02 46 05.9
			PPP	05 41					h= 32
									Mb=5.6 Ms=5.4
		SOP K Z	PP	03 04 30				105.12	
			PPP	06 33					
			S	11 37					
501.	06 05	BUD K N	iP	04 50 43.1			-	26.48	32.67N 48.04E
			i	47					T0=04 45 13.1
			PP	51 45					h= 72
			S	55 22					M=6.4
			M	05 04 52	12.2	51.70			CSEM
		BUD K E	iP	04 50 43.1			+		
			ipP	51 01					
			iPP	45					
			iPPP	52 00					
			isS	55 35					
			eL	05 00 54					
			M	03 37	13.8	30.59			
		BUD K Z	iP	04 50 43.1			+		
			i	56					
			isP	51 31					
			iPcP	53 51					
			eL	05 01 23					
			M	04 26	12.6	23.61			
		BUD K2 N	pP	04 51 06				26.48	
			M	05 04 53	13.0	20.28			
			F	06 00 48					
		BUD K2 E	i	04 50 52					
			isS	55 38					
			eL	05 00 52					
			M	03 38	14.1	30.93			
			F	06 00 07					
		BUD K2 Z	P	04 50 43					
			isP	51 15					
			iPP	41					
			PPP	51					
			i	52 04					
			eL	05 01 46					
			M	04 25	13.4	28.91			
			F	55 29					
		SOP MK Z	eP	04 50 58				28.10	
			ipP	51 16					
			isP	32					
			i	43					
			iPP	52 02					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPPP	12					
			iPcP	54 07					
			iS	55 20					
			sS	48					
			SS	57 06					
			eSSS	31					
		SOP K Z	P	04 50 58				28.10	
			ipP	51 02					
			isP	25					
			iPPP	52 08					
			PcP	55 06					
			S	56 23					
			SS	57 52					
			eL	05 03 40					
			M	08 09					
502.	06 05	SOP MK Z	eP	05 05 03				28.17	32.68N 48.16E
			ipP	07					T0=04 59 10.9
			isP	32					h= 10
			i	40					M=5.2
			iPP	06 04					CSEM
			PPP	18					
503.	06 05	BUD K N	pP	06 04 35				28.00	31.08N 48.90E
			sP	48					T0=05 58 37.2
			ePP	05 18					h= 10
									M=4.4
									CSEM
		BUD K E	eP	06 04 30					
			pP	35					
			PPP	06 01					
		BUD K Z	eP	06 04 30					
		SOP MK Z	P	06 04 43				29.71	
			pP	50					
			sP	05 05					
			PP	25					
504.	06 05	BUD K N	eP	06 33 15				26.69	32.53N 48.23E
			pP	27					T0=06 27 32.8
			esP	41					h= 10
									M=4.8
									CSEM
		BUD K E	eP	06 33 15					
			epP	27					
		BUD K Z	eP	06 33 15					
		SOP MK Z	P	06 33 25				28.32	
			ipP	35					
			sP	40					
			ePP	34 28					
		SOP K Z	eP	06 33 27				28.32	
			esP	43					
			ePP	34 02					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
505.	06 05	BUD K N	P	07 54 19				27.06	32.43N 48.71E
			pP	29					T0=07 48 33.6
			isP	44					h= 10
			PP	55 03					M=4.8
			sS	59 04					CSEM
			eL	08 07 43					
			F	17 49					
		BUD K E	P	07 54 19					
			pP	29					
			isP	44					
			eL	08 06 55					
			F	23 00					
		BUD K Z	P	07 54 19					
			pP	29					
			sS	59 04					
			eL	08 07 04					
			F	27 37					
		BUD MK Z	eP	07 54 15			+	27.06	
			ipP	22					
			isP	29					
			i	35					
			PP	55 01					
			PPP	08					
		BUD K2 Z	eP	07 54 18				27.06	
			epP	25					
		BUD UT Z	eP	07 54 20				27.06	
			ePPP	55 23					
			eL	08 05 05					
			F	13 44					
		SOP MK Z	P	07 54 30			+	28.69	
			pP	40					
			sP	48					
			i	55 03					
			iPP	22					
			PPP	30					
		SOP K Z	eP	07 54 31				28.69	
			pP	35					
			sP	55 01					
506.	06 05	BUD K N	P	08 31 08				26.72	32.49N 48.22E
			i	18					T0=08 25 35.3
			ePP	32 04					h= 65
			S	35 50					M=5.5
			eL	41 22					CSEM
			M	45 21	13.6	1.30			
		BUD K E	P	08 31 08					
			pP	33					
			isP	48					
			PcP	34 39					
			eL	41 28					
			M	44 13	14.2	1.66			
		BUD K Z	P	08 31 08					
			pP	33					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPP	32 20					
			sS	36 11					
			eL	43 14					
			M	44 53	13.2	1.80			
		BUD MK Z	iP	08 31 08.9			+	26.72	
			i	11					
			ipP	16					
			isP	20					
			iPP	53					
			PPP	32 04					
			ePcP	34 31					
		BUD K2 N	esP	08 31 51				26.72	
			esS	36 09					
			eL	37 05					
			F	57 51					
		BUD K2 E	PPP	08 32 19					
			eL	43 04					
		BUD K2 Z	eP	08 31 08					
			ePP	54					
			S	35 13					
			eL	44 03					
		BUD UT Z	P	08 31 12				26.72	
			eL	37 05					
			M	44 54	16.0	2.11			
		SOP MK Z	iP	08 31 22.0	1.3	0.06	+	28.34	
			ipP	28					
			isP	41					
			PP	32 13					
			iPPP	36					
			PcP	33 50					
		SOP K Z	iP	08 31 21.5			+	28.34	
			esP	32 06					
			PP	19					
			PPP	40					
			sS	36 12					
			SS	37 45					
			eL	44 12					
507.	06 05	BUD K N	eP	08 50 49				27.04	32.46N 48.71E
			sP	51 03					T0=08 45 04.4
									h= 10
									M=4.9
									CSEM
		BUD K E	eP	08 50 49					
			pP	56					
		BUD K Z	eP	08 50 49					
			pP	56					
		BUD MK Z	P	08 50 46			-	27.04	
			i	49					
			ipP	53					
			esP	51 16					
			iPP	36					
			ePPP	44					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	P	08 51 02				28.67	
			ipP	09					
			isP	30					
			PP	45					
			PPP	52 28					
		SOP K Z	P	08 51 01				28.67	
508.	06 05	BUD K N	e	12 08 31					
			e	51					
			e	09 03					
			eL	10 06					
			F	16 27					
		BUD K E	e	12 08 22					
			e	09 12					
			e	52					
			eL	10 06					
			F	15 18					
		BUD K Z	e	12 08 22					
			e	38					
			eL	10 19					
			F	15 54					
509.	06 05	BUD K N	esP	14 02 08				10.19	37.86N 14.40E
			PPP	15					T0=13 59 25.1
			eL	06 10					h= 12
			M	10 43	10.6	0.67			M=5.0
									CSEM
		BUD K E	esP	14 02 08					
			eL	05 44					
			M	07 23	10.0	1.10			
			F	22 54					
		BUD K Z	ePP	14 02 10					
			eL	06 18					
			M	10 40	13.4	0.93			
			F	30 37					
		BUD MK Z	P	14 01 46				10.19	
			e	54					
			ePPP	02 03					
			eP*	26					
			ePg	48					
			eSn	03 42					
			SSS	04 04					
			eSg	05 04					
		BUD K2 N	eSSS	14 04 48				10.19	
			eL	06 01					
			F	16 45					
		BUD K2 E	eS	14 04 07					
			eL	06 14					
			F	16 49					
		BUD K2 Z	eP	14 02 05					
			eL	06 21					
			F	15 38					
		BUD UT Z	eS	14 04 08				10.19	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	05 03					
			F	16 45					
		SOP MK Z	iPn	14 01 45.6			+	9.94	
			i	48					
			iPP	53					
			PPP	02 06					
			P$	18					
			Pg	35					
			Sn	03 30					
			SS	04 51					
		SOP K Z	Pn	14 01 54				9.94	
			P$	02 32					
			Sg	04 46					
			i	05 38					
			F	22 53					
510.	06 05	SOP MK Z	Pn	15 15 57				2.68	46.29N 13.20E
			Pg	16 05					T0=15 15 11.5
			i	16					h= 33
			Sn	20					
			iS$	34					
			iSg	43					
			i	48					
511.	06 05	BUD K2 N	eSg	18 02 23				6.90	41.09N 15.37E
			eL	03 20					T0=17 58 35.1
									h= 10
									M=4.0
									CSEM
		BUD K2 E	eSg	18 02 23					
		BUD K2 Z	eL	18 03 36					
512.	06 05	SOP MK Z	iP	18 28 06.7	1.2	0.03	+	47.88	42.00N 85.71E
			pP	13					T0=18 19 29.0
			sP	42					h= 33
									Mb=4.7
		SOP K Z	P	18 28 08				47.88	
513.	06 05	BUD K N	esS	19 32 03				26.64	32.48N 48.08E
			SS	33 11					T0=19 21 25.7
			eL	38 31					h= 33
			F	48 51					Mb=4.7
		BUD K E	eS	19 31 51					
			eL	38 31					
			M	40 50	12.0	0.41			
			F	49 16					
		BUD K Z	ePcP	19 30 39					
			eL	40 03					
			F	53 52					
		BUD MK Z	eP	19 27 06				26.64	
			epP	18					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	27					
			PP	47					
		SOP MK Z	eP	19 27 17				28.25	
			pP	23					
			sP	37					
			PP	28 06					
			PPP	25					
514.	06 05	BUD MK Z	P	22 34 07				62.60	13.45N 44.88W
			pP	16					T0=22 23 42.4
			esP	27					h= 33
									Mb=4.8 Ms=4.1
		SOP MK Z	P	22 33 55			-	61.00	
			pP	34 05					
			esP	14					
			ePcP	28					
515.	06 05	BUD K N	i	23 24 35				7.75	39.73N 19.21E
			eL	25 30					T0=23 19 51.8
			F	33 47					h= 10
									M=4.4
									CSEM
		BUD K E	eS$	23 23 43					
			Sg	24 12					
			i	38					
			M	25 22	12.1	0.59			
			F	35 34					
		BUD K Z	e	23 24 15					
			e	24					
			eL	25 04					
			F	33 56					
		BUD MK Z	ePn	23 22 00				7.75	
			e	15					
			iP$	26					
			Pg	45					
			eSn	23 27					
			e	36					
			e	53					
			eS$	24 05					
			iSg	16					
		SOP MK Z	Pn	23 21 47				8.17	
			e	22 02					
			P$	15					
			Pg	29					
			e	23 09					
			Sn	20					
			e	31					
			e	41					
			S$	53					
			Sg	24 26					
516.	06 06	BUD K N	eSKS/D	01 55 03				109.98	55.21S 28.92W

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eSP	58 28					T0=01 29 59.3
			eL	02 16 43					h= 33
			F	55 41					Mb=5.3 Ms=5.0
		BUD K E	S	01 56 00					
			ePPS	58 48					
			eL	02 22 15					
			F	03 06 22					
		BUD K Z	ePPS	01 58 48					
			eL	02 16 51					
			F	59 45					
		BUD UT Z	ePP	01 49 01				109.98	
			SP	58 32					
			eL	02 08 05					
			M	38 32	15.0	0.88			
			F	03 12 42					
		SOP K Z	PP	01 48 49				109.42	
			sSKS/A	54 47					
			SP	57 35					
			PS	58 22					
			PPS	59 05					
			eL	02 25 19					
			F	52 45					
517.	06 06	SOP K Z	eL	04 40 26					
			M	40 46					
			F	44 22					
518.	06 06	BUD K N	S$	04 38 37				10.01	37.74N 22.21E
			eL	40 14					T0=04 33 07.4
									h= 10
									M=4.4
									CSEM
		BUD K E	eP	04 35 02					
			eL	39 50					
			F	05 07 00					
		BUD MK Z	eP	04 34 32				10.01	
			e	45					
			ePPP	35 02					
			iP$	36 01					
			Pg	15					
			i	39					
			iSn	37 29					
			eSS	42					
			SSS	46					
			S$	38 15					
519.	06 06	BUD K N	ePcP	10 57 52				18.23	37.62N 1.88W
			L	11 00 49					T0=10 49 12.3
			F	11 57					h= 10
									M=4.2
									CSEM
		BUD K E	eL	11 01 29					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	13 01					
		BUD K Z	eSSS	10 57 31					
			eL	11 01 21					
			F	18 57					
		BUD UT Z	ePcP	10 58 04				18.23	
			F	11 10 42					
520.	06 06	SOP MK Z	PKP/F	13 05 33	1.2	0.05	+	149.93	19.24S 175.63W
			PKP2/A	44					T0=12 46 11.8
			pPKP/F	06 33					h=253
			pPKP/A	36					Mb=5.1
		SOP K Z	PKP/F	13 05 34			+	149.93	
			pPKP/F	06 34					
			eL	43 45					
			F	56 42					
521.	06 06	BUD K N	e	18 01 29				6.90	41.09N 15.37E
			e	51					T0=17 58 35.1
			L	03 16					h= 10
									M=4.0
									CSEM
		BUD K E	eSn	18 01 35					
			S$	02 03					
			eSg	21					
			i	32					
			eL	03 26					
		BUD K Z	e	18 01 51					
			i	02 32					
			eL	03 19					
		BUD MK Z	eSn	18 01 26				6.90	
			eS$	46					
			Sg	02 08					
		SOP MK Z	Pn	18 00 21				6.64	
			P$	37					
			Pg	52					
			i	01 22					
			Sn	02 08					
			S$	30					
			iSg	34					
		SOP K Z	ePn	18 00 21				6.64	
			Sn	01 17					
			S$	45					
			Sg	02 14					
			eL	40					
522.	06 06	SOP MK Z	P	18 46 13			+	32.41	29.54N 51.51E
			pP	25					T0=18 39 44.0
			sP	33					h= 10
			i	46					M=4.7
			PP	47 25					CSEM
			ePPP	41					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
523.	06 07	SOP MK Z	iPKP	09 00 28.4	1.2	0.03	-	135.09	10.76S 165.96E
			ipPKP	52					T0=08 41 17.9
									h= 77
									Mb=5.2
524.	06 08	BUD MK Z	PKP/F	14 25 08	1.0	0.05	-	151.59	22.10S 176.95W
			i	11					T0=14 05 39.3
			ePKP2/A	20					h=226
			ipPKP/A	26 11					Mb=5.2
			sPKP/A	59					
		BUD K2 Z	ePKP/F	14 25 07				151.59	
		SOP MK Z	iPKP/F	14 25 09.5			-	152.25	
			i	13					
			PKP2/A	29					
		SOP K Z	PKP/F	14 25 09				152.25	
525.	06 08	BUD MK Z	P	14 37 50				80.19	38.53N 141.48E
			PcP	55					T0=14 25 46.5
			pP	38 13					h= 78
			sP	33					Mb=5.5
			i	40					
			ePP	41 12					
			PPP	42 13					
		BUD K2 N	sS	14 47 51				80.19	
			eL	15 06 39					
			F	31 23					
		BUD K2 E	sS	14 47 51					
			eL	15 08 31					
			F	28 51					
		BUD K2 Z	pP	14 37 51					
			esP	38 09					
		BUD UT Z	eP	14 37 51				80.19	
			esP	38 35					
			eL	15 07 30					
			F	36 42					
		SOP MK Z	iP	14 37 54.5			+	81.14	
			ipP	38 13					
			isP	22					
			PP	41 17					
		SOP K Z	iP	14 37 54.5			+	81.14	
			pP	38 14					
			esP	39 12					
			PP	41 40					
			PPP	43 36					
			eL	15 15 18					
			F	32 25					
526.	06 09	BUD K N	PPP	11 29 26				64.99	26.86N 100.25E
									T0=11 14 45.0
									h= 33
									Mb=5.0

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	PPP	11 29 26					
			i	31					
		BUD MK Z	ePPP	11 28 59				64.99	
			i	29 00					
527.	06 09	SOP MK Z	P	16 51 43	0.9	0.02		77.33	25.07S 13.59W
			pP	48					T0=16 39 46.2
			sP	53					h= 33
									Mb=5.0
		SOP K Z	eP	16 51 44				77.33	
			sP	52 06					
528.	06 10	BUD K N	e	01 15 44					
			e	16 46					
			e	18 45					
		BUD K E	e	01 13 52					
			e	14 39					
			e	16 14					
			eL	19 04					
			F	37 24					
529.	06 10	BUD UT Z	P	02 48 01				87.16	3.10S 101.48E
			esP	21					T0=02 35 14.0
			ePP	51 32					h= 33
									Mb=5.4 Ms=5.2
		SOP MK Z	P	02 48 05	1.0	0.03	+	88.84	
			sP	20					
			PP	51 37					
		SOP K Z	P	02 48 00				88.84	
			sP	28					
			PP	51 34					
530.	06 10	SOP MK Z	PKP/F	03 42 51				148.29	18.23S 178.01W
			a	53	1.0	0.05			T0=03 24 05.4
			PKP2/A	43 05					h=532
									Mb=5.1
		SOP K Z	ePKP2/A	03 42 54				148.29	
531.	06 10	BUD K E	e	05 58 23					
			e	06 00 49					
			eL	10 34					
			F	23 05					
532.	06 10	SOP MK Z	P	05 48 55	1.0	0.05		49.75	11.61N 57.68E
			pP	49 09					T0=05 40 06.8
			isP	17					h= 33
			ePcP	50 06					Mb=5.1
			PP	50					
		SOP K Z	P	05 48 58				49.75	
			esP	49 36					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePcP	50 30					
533.	06 10	BUD K N	S	23 08 05				12.76	35.01N 22.73E
			PcP	11 06					T0=23 02 31.6
			F	21 48					h= 10
									M=4.4
									CSEM
		BUD UT Z	ePcP	23 11 11				12.76	
			F	15 40					
		SOP MK Z	P	23 05 41				13.47	
			sP	50					
			PP	56					
			PPP	06 03					
534.	06 12	SOP MK Z	P	08 59 37				78.23	42.35N 142.06E
			PcP	42					T0=08 47 46.2
			pP	09 00 03					h=100
									Mb=5.1
535.	06 12	SOP MK Z	PKP/F	12 36 12	1.0	0.03		144.34	19.78S 169.09E
			pPKP/F	37					T0=12 16 49.2
									h= 10
									Mb=5.0
536.	06 12	SOP MK Z	iPKP/F	15 33 43.0			-	147.86	17.98S 178.69W
			PKP2/A	52					T0=15 15 06.9
									h=574
									Mb=4.5
537.	06 13	SOP MK Z	iP	00 24 42.0			-	42.80	29.83N 67.64E
			pP	56					T0=00 16 46.2
			sP	25 05					h= 33
			ePP	26 06					Mb=4.4
538.	06 13	SOP MK Z	PKP/F	10 28 30				149.64	18.52S 174.05W
			PKP2/A	37					T0=10 08 48.0
			pPKP/F	44					h= 41
			ipPKP/A	56					Mb=5.5
		SOP K Z	PKP/F	10 28 30				149.64	
			pPKP/A	48					
			i	29 25					
			PP	32 04					
539.	06 13	BUD K N	eP	12 00 56				90.56	13.30N 124.64E
			esP	01 20					T0=11 47 41.4
			PPP	06 51					h= 35
			SKS	11 06					Mb=5.6 Ms=5.3
			S	26					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPS	12 42					
			SSP	14 10					
			eL	28 00					
			F	13 09 07					
		BUD K2 N	S	12 11 34				90.56	
			eL	32 00					
			F	13 06 32					
		BUD K2 E	ePPP	12 06 45					
			eSKS	11 05					
			sS	54					
			eL	31 32					
			F	13 03 33					
		SOP MK Z	eP	12 00 49				92.04	
			epP	54					
			esP	01 04					
		SOP K Z	P	12 00 46				92.04	
			esP	01 13					
			SKS	11 06					
			PS	12 40					
			SSP	13 26					
			eL	39 26					
			F	13 00 00					
540.	06 13	SOP MK Z	P	13 48 25				41.36	36.43N 11.29E
			pP	51					T0=13 40 50.3
			esP	49 06					h=121
			PcP	50 23					Mb=5.0
			ePP	32					
541.	06 14	BUD K E	P	01 38 05				10.62	38.61N 27.03E
			sP	20					T0=01 35 31.4
			eSSS	42 09					h= 10
									M=3.6
									CSEM
542.	06 14	SOP MK Z	ePKP/F	02 20 34				147.01	15.77S 173.93W
			PKP2/A	36					T0=02 00 58.1
			pPKP/F	47					h= 47
			epPKP/A	21 09					Mb=5.0
543.	06 14	BUD K E	PKP/F	00 56 12				148.39	18.01S 175.11W
			ePKP2/A	22					T0=00 37 09.8
			epPKP/F	53					h=223
			esPKP/F	57 30					Mb=5.0
		BUD MK Z	iPKP/F	00 56 30.9	1.0	0.026	-	148.39	
			PKP2/A	39					
			i	50					
			pPKP/F	57 14					
			pPKP/A	32					
544.	06 14	SOP K Z	e	13 26 31					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	31 47					
			M	35 34					
			F	52 22					
545.	06 14	SOP MK Z	P	20 59 36				15.40	33.86N 25.63E
			sP	49					T0=20 56 03.1
			PP	53					h= 33
			PPP	59					
546.	06 14	BUD K N	iP	21 50 34.4			-	68.22	14.12S 14.43W
			ipP	39					T0=21 39 35.2
			i	52					h= 33
			S	59 19					Mb=6.0 Ms=5.4
			eL	22 14 31					
			M	21 12	14.2	0.95			
			F	50 16					
		BUD K E	iP	21 50 34.4			-		
			i	52					
			S	59 19					
			eL	22 13 06					
			M	21 31	16.6	2.58			
			F	57 51					
		BUD K Z	iP	21 50 34.4			+		
			esP	47					
			PcP	56					
			PP	53 10					
			ePPP	54 44					
			eL	22 18 51					
			F	34 32					
		BUD MK Z	eP	21 50 33	1.6	0.29		68.22	
			ipP	41					
			sP	47					
			PcP	51 02					
			i	07					
			PP	53 09					
			ePPP	54 44					
		BUD K2 N	P	21 50 34				68.22	
			esP	52					
			eL	22 16 06					
			F	33 23					
		BUD K2 E	P	21 50 34					
			esP	52					
			eL	22 14 02					
			F	26 43					
		BUD K2 Z	P	21 50 34			+		
			epP	46					
			PcP	51 08					
			PPP	55 36					
		SOP MK Z	P	21 50 28				67.46	
			ipP	42					
			sP	46					
			i	47					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPcP	51					
			PP	53 13					
			PPP	54 14					
		SOP K Z	iP	21 50 30.6			+	67.46	
			ipP	34					
			isP	42					
			PP	52 52					
			iPPP	54 46					
			S	59 22					
			SSP	22 00 11					
			SS	04 10					
			SSS	06 24					
			eL	16 06					
			M	20 37					
			F	40 32					
547.	06 14	SOP MK Z	P	22 42 19				59.88	16.60N 46.61W
			epP	25					T0=22 32 14.4
			esP	46					h= 33
									Mb=4.6
548.	06 14	BUD MK Z	eP	00 03 05				61.50	16.55N 46.55W
			sP	20					T0=23 52 58.6
			PcP	04 04					h= 33
			i	06					Mb=5.1 Ms=5.3
			PP	05 54					
		SOP MK Z	P	00 03 04				59.88	
			pP	16					
			iPcP	55					
			PP	05 08					
			ePPP	06 10					
		SOP K Z	P	00 03 07				59.88	
			PcP	55					
			eScS	12 18					
			eL	26 08					
			F	47 59					
549.	06 14	BUD K N	esP	00 04 06				61.56	16.52N 46.60W
			ePcP	34					T0=23 53 49.9
			eL	20 03					h= 33
			F	54 50					Mb=5.3
		BUD K E	eP	00 03 17					
			esP	04 06					
			eL	24 30					
			F	01 02 56					
		BUD K Z	esP	00 04 06					
		BUD K2 N	e	00 04 13				61.56	
		BUD K2 E	epP	00 04 15					
		BUD K2 Z	P	00 04 05					
			esP	20					
			ePcP	40					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePP	06 31					
			ePPP	08 05					
550.	06 15	BUD MK Z	eP	00 20 47				68.15	14.05S 14.41W
			pP	21 02					T0=00 09 49.0
			esP	09					h= 33
			PcP	14					Mb=4.9
551.	06 15	BUD K N	e	15 29 34					
			e	43					
			i	30 03					
		BUD K E	e	15 29 34					
			e	38					
			e	52					
			i	30 03					
		BUD MK Z	i	15 29 43					
			i	48					
			i	30 04					
552.	06 16	BUD K N	Pn	02 27 34				5.56	45.85N 26.76E
			e	28 31					T0=02 26 10.8
			e	39					h=136
			e	49					M=4.7
			i	29 03					CSEM
			i	29					
		BUD K E	Pn	02 27 34					
			eP$	44					
			S$	28 51					
			Sg	29 10					
		BUD K Z	Pn	02 27 34					
			e	28 39					
		BUD MK Z	iPn	02 27 31.2	1.1	0.065	+	5.56	
			e	35					
			e	40					
			P$	47					
			Pg	56					
			e	28 39					
			e	45					
			S$	48					
			Sg	29 14					
		BUD K2 N	eS$	02 28 56				5.56	
			e	29 04					
553.	06 16	SOP MK Z	i	03 55 24.2			+		
			e	29					
			e	34					
554.	06 16	BUD K Z	PKP/F	04 37 14				146.38	15.24S 172.79W
			epPKP/F	27					T0=04 17 35.7
									h= 33
									Mb=5.0 Ms=5.1

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD MK Z	ePKP/F	04 37 15				146.38	
			PKP2/A	19					
			pPKP/F	22					
			ipPKP/A	26					
		SOP MK Z	PKP/F	04 37 16				146.73	
			PKP2/A	21					
			epPKP/F	28					
			ipPKP/A	36					
		SOP K Z	PKP/F	04 37 16	2.4	0.83	-	146.73	
			ipPKP/F	28					
			pPKP/A	41					
			PP	40 21					
			PPP	44 09					
			sSKS/F	32					
555.	06 17	BUD K N	iPKP2/A	02 47 46				148.76	19.87S 179.09W
			i	48 11					T0=02 29 09.8
			pPKP/A	50 06					h=690
			sPKP/A	51 18					Mb=5.7
			SKS/F	53 53					
			F	03 42 39					
		BUD K E	PKP/F	02 47 37					
			pPKP/A	49 49					
			sPKP/F	50 35					
			SKS/F	53 53					
			eL	03 19 32					
			F	47 30					
		BUD K Z	PKP/F	02 47 37					
			a	43	2.2	0.62			
			sPKP/A	51 10					
		BUD MK Z	PKP/F	02 47 37			-	148.76	
			ia	43	1.9	0.85			
			iPKP2/A	50					
			i	48 27					
			ipPKP/F	50 19					
			ipPKP/A	22					
			isPKP/F	51 23					
			sPKP/A	30					
		BUD K2 N	e	02 47 47				148.76	
		BUD K2 E	PKP2/A	02 47 51					
		BUD K2 Z	PKP/F	02 47 30			-		
			PKP2/A	51					
		SOP MK Z	iPKP/F	02 47 38.2	1.9	0.12	-	149.48	
			i	44					
			iPKP2/A	57					
			pPKP/F	50 00					
			ipPKP/A	20					
			sPKP/A	51 21					
			SKS/F	53 47					
		SOP K Z	iPKP/F	02 47 38.2				149.48	
			i	44					
			iPKP2/A	53					
			pPKP/F	50 00					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	18					
			sPKP/F	51 12					
			isPKP/A	32					
			ePP	53 21					
			eSKS/F	54 12					
			PPP	56 25					
			sSKS/F	58 19					
556.	06 17	SOP K Z	Sn	15 45 51				9.64	38.44N 20.35E
			Sg	47 15					T0=15 41 45.4
									h= 59
									Mb=4.3
557.	06 18	BUD K N	ePKP/F	10 23 03				149.55	20.28S 177.98W
									T0=10 04 08.3
									h=567
									Mb=5.0
		BUD K E	ePKP2/A	10 23 06					
		BUD K Z	ePKP2/A	10 23 06					
		BUD MK Z	PKP/F	10 22 58	1.1	0.04	-	149.55	
			ePKP2/A	23 06					
			i	18					
558.	06 18	SOP MK Z	ePn	11 54 59				2.84	46.16N 13.05E
			Sn	55 31					T0=11 54 15.8
			S$	40					h= 33
			iSg	43					Mb=4.7
		SOP K Z	Pn	11 54 52				2.84	
			eSg	55 48					
559.	06 18	BUD K N	esP	14 37 04				18.52	41.97N 43.97E
			eL	44 05					T0=14 32 31.2
			F	57 36					h= 33
									Mb=4.5
		BUD K E	P	14 36 51					
			PP	37 25					
			eL	46 12					
			F	58 29					
		BUD MK Z	eP	14 36 44				18.52	
			sP	55					
			pp	37 04					
			PPP	17					
		SOP MK Z	P	14 37 06			+	20.20	
			sP	19					
			PP	45					
			PPP	52					
		SOP K Z	P	14 37 06				20.20	
			sP	13					
			PPP	42					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
560.	06 18	BUD K N	e	17 07 46					
			e	09 19					
			e	15 32					
			F	18 10 11					
		BUD K E	e	17 07 44					
			e	08 03					
			i	14 43					
			eL	51 29					
			F	18 16 07					
		BUD K Z	e	17 07 44					
			e	50					
561.	06 18	BUD K N	eP	18 51 22				67.83	13.79S 14.18W
			PcP	43					T0=18 40 18.9
									h= 33
									Mb=4.7
		BUD K E	epP	18 51 26					
			PP	54 10					
		BUD K Z	esP	18 51 40					
		BUD MK Z	eP	18 51 18	1.3	0.03	+	67.83	
			epP	24					
			esP	30					
562.	06 18	BUD MK Z	P	20 49 46	1.0	0.02	-	67.93	13.72S 14.60W
			ipP	51					T0=20 38 46.6
			sP	50 03					h= 33
			PcP	12					Mb=5.5
			ePP	52 42					
563.	06 18	BUD K N	PKP	22 30 03				129.84	9.76S 159.67E
			i	33 30					T0=22 10 49.6
			eL	23 17 05					h= 11
			F	00 35 42					Mb=5.6 Ms=5.7
		BUD K E	PP	22 32 22					
			iPPP	35 20					
			eL	23 17 02					
			M	30 18	14.6	0.84			
			F	00 33 15					
		BUD K Z	ePKP	22 30 03					
			pPKP	08					
			PP	32 22					
			F	23 56 37					
		BUD MK Z	ePKP	22 30 02				129.84	
			epPKP	17					
			i	31 28					
			ePP	32 23					
		BUD K2 N	eL	23 17 04				129.84	
			F	44 51					
		BUD K2 E	eL	23 17 40					
			F	57 50					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 Z	ePKP	22 30 05					
			epPKP	10					
			PP	32 22					
			ePPP	35 24					
		BUD UT Z	ePP	22 32 21				129.84	
			S	40 15					
			ePS	42 29					
			ePPS	44 06					
			eL	23 11 13					
			M	28 06	18.1	1.10			
			F	00 46 49					
564.	06 18	BUD K Z	epPKP/F	22 55 04				151.84	24.20S 179.06E
			epPKP/A	15					T0=22 33 56.0
									h=563
									Mb=5.2
		BUD K2 Z	ePKP/A	22 55 06				151.84	
			esPKP/F	16					
565.	06 19	BUD MK Z	e	07 30 19			-		
			e	29					
			e	31 30					
566.	06 19	SOP MK Z	PP	07 50 08				98.79	4.65N 124.93E
									T0=07 32 13.8
									h=271
									Mb=5.7
567.	06 19	BUD MK Z	iP	11 59 02.8				76.88	47.15N 151.09E
			iPcP	05					T0=11 47 23.4
			i	12					h=149
			pP	35					M=5.6
			isP	54					
			iPP	12 02 25					
			ePPP	04 34					
		BUD K2 N	P	11 59 02			+	76.88	
			eL	12 27 06					
			F	45 51					
		BUD K2 E	PcP	11 59 04					
			eL	12 27 06					
			F	45 43					
		BUD K2 Z	P	11 59 02			-		
			pP	48					
			PP	12 04 24					
			eL	28 04					
			F	44 53					
		BUD UT Z	iP	11 59 03.8			+	76.88	
			esP	12 00 19					
			ePP	02 51					
			PPP	04 40					
			PPS	10 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	20 25					
			F	55 27					
		SOP MK Z	isP	11 59 59.8				77.56	
			i	12 00 06					
			PP	02 23					
			PPP	04 20					
568.	06 19	BUD MK Z	P	18 28 03			+	62.38	15.47N 46.71W
			pP	11					T0=18 17 39.2
			isP	18					h= 33
			iPcP	44					Mb=5.3 Ms=4.6
		SOP MK Z	iPcP	18 28 42.0			-	60.75	
569.	06 20	BUD K N	PKP2/A	20 27 44				146.38	22.69S 170.62E
			epPKP/A	56					T0=20 08 02.1
									h= 45
									Mb=5.2 Ms=5.0
		BUD K E	PKP/F	20 27 42					
			pPKP/F	51					
			sSKS/F	35 11					
		BUD K Z	PKP/F	20 27 42					
			pPKP/F	51					
			ePP	31 13					
		BUD MK Z	PKP/F	20 27 38				146.38	
			iPKP2/A	43					
			epPKP/F	49					
			ipPKP/A	20 02					
			i	13					
			ePP	30 16					
		BUD K2 E	ePKP2/A	20 27 44				146.38	
		BUD K2 Z	PKP/F	20 27 41					
			pPKP/F	51					
			epPKP/A	28 03					
		BUD UT Z	ePKP/F	20 27 40				146.38	
			epPKP/F	51					
			pPKP/A	28 03					
			ePP	31 14					
			sSKS/F	36 10					
			eL	39 08					
		SOP MK Z	ePKP/F	20 27 42				147.55	
			iPKP2/A	44					
			pPKP/F	53					
			pPKP/A	28 07					
		SOP K Z	PKP/F	20 27 41	2.1	0.67		147.55	
			ipPKP/A	28 23					
			i	29 22					
			PP	31 34					
			eSKS/F	34 08					
			sSKS/F	35 08					
			F	57 35					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
570.	06 21	SOP K Z	ePKP/F	19 10 07				146.72	22.04S 170.05E
			pPKP/A	25					T0=18 50 50.9
									h= 22
									Mb=5.0
571.	06 21	SOP K Z	eP	19 17 12				15.51	35.56N 29.59E
			esP	25					T0=19 13 26.1
			PP	29					h= 46
			ePPP	18 05					Mb=4.7
			S	20 08					
			SS	37					
572.	06 22	BUD K N	pPKP/F	12 28 20				152.96	23.19S 175.92W
			iPKP2/A	28					T0=12 08 28.3
			M	13 27 12					h= 33
			F	17 06 01					Ms=7.2
		BUD K E	iPKP2/A	12 28 28					
			F	17 25 26					
		BUD K Z	PKP/F	12 28 16	5.2	2.60			
			iPKP2/A	28					
			ipPKP/A	34					
			PP	32 11					
			iPPP	33 35					
			eL	13 19 14					
			F	16 47 54					
		BUD MK Z	iPKP/F	12 28 15.8	2.7	2.15	-	152.96	
			ipPKP/F	27					
			iPKP2/A	37					
			ipPKP/A	48					
			i	29 15					
			iPP	32 29					
			iSKS/F	35 21					
			isSKS/F	32					
			iPP	36 10					
		BUD K2 N	i	12 29 32				152.96	
			eL	13 21 21					
			M	27 23					
			F	15 59 45					
		BUD K2 E	PKP/F	12 28 17					
			pPKP/A	53					
			i	29 11					
			iPP	32 45					
			M	13 26 01					
			F	16 12 47					
		BUD K2 Z	PKP/F	12 28 17			-		
			ipPKP/F	28					
			i	34 34					
			iSKS/F	35 21					
			iPPP	36 10					
			eL	13 20 35					
			F	15 47 27					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	iPKP/F	12 28 15.7	1.9	0.48	-	153.59	
			pPKP/F	19					
		SOP K Z	iPKP/F	12 28 16.7				153.59	
			mpPKP/F	20					
			F	16 30 44					
573.	06 23	SOP K Z	i	00 50 30					
			e	52 20					
			e	54 11					
574.	06 23	SOP MK Z	e	12 04 59					
			e	05 07					
			e	28					
575.	06 23	SOP MK Z	PKP/F	14 00 27				153.06	22.68S 176.10W
			PKP2/A	42					T0=13 40 47.7
			epPKP/F	54					h=138
									Mb=4.5
576.	06 24	BUD K N	ePKP/F	00 50 17				152.68	22.89S 175.94W
			epPKP/A	43					T0=00 30 20.9
									h= 33
									Mb=5.5 Ms=5.1
		BUD K E	pPKP/F	00 50 22					
			epPKP/A	43					
			ePP	53 19					
		BUD MK Z	ePKP/F	00 50 06				152.68	
			pPKP/F	15					
			PKP2/A	19					
			epPKP/A	32					
			i	51 03					
		BUD K2 N	epPKP/A	00 50 44				152.68	
		BUD UT Z	ePKP2/A	00 50 28				152.68	
			eL	01 43 22					
			M	49 32	30.0	0.97			
			F	02 34 32					
		SOP MK Z	ePKP/F	00 50 10				153.31	
			pPKP/F	18					
			i	21					
			iPKP2/A	22					
			pPKP/A	36					
577.	06 24	SOP MK Z	eP	00 03 19				30.52	31.78N 50.91E
			pP	36					T0=23 57 06.0
			esP	50					h= 53
			PcP	06 07					Mb=4.5
578.	06 25	BUD K N	P	00 43 12				26.12	32.85N 47.66E
			ScS	54 33					T0=00 37 33.3
									h= 10

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									M=4.7
									CSEM
		BUD K E	P	00 43 12					
			ipP	15					
			PPP	44 26					
			eL	55 37					
			F	01 01 45					
		SOP MK Z	eP	00 43 21				27.74	CSEM
			pP	33					
			sP	36					
			ePP	46					
579.	06 25	SOP K Z	P	02 32 36				36.57	27.62N 55.99E
			sP	52					T0=02 25 34.9
									h= 59
									M=5.2
									CSEM
580.	06 25	BUD MK Z	PKP/F	15 43 25	1.0	0.02	-	150.01	21.32S 179.23W
			PKP2/A	34					T0=15 24 42.9
			pPKP/F	45 53					h=633
			pPKP/A	46 04					Mb=5.4
			esPKP/F	22					
		SOP MK Z	iPKP/F	15 43 26.0			-	150.77	
			PKP2/A	43					
			pPKP/F	45 47					
			pPKP/A	46 12					
			sPKP/F	37					
581.	06 25	BUD K N	PP	19 25 15				85.88	41.97N 126.66W
			eL	26 18					T0=19 09 26.0
			F	39 52					h= 18
									Mb=4.7 Ms=4.0
		BUD K E	eL	19 26 13					
			F	43 46					
582.	06 25	SOP MK Z	iP	22 11 10.3			-	50.46	41.98N 89.79E
			i	14					T0=22 02 11.5
			pP	19					h= 26
			esP	25					Mb=4.9
			PcP	12 19					
583.	06 26	BUD MK Z	P	00 22 54	1.0	0.03	+	78.10	45.57N 150.72E
			ePcP	59					T0=00 10 58.2
			pP	23 09					h= 47
			sP	12					Mb=5.2 Ms=4.6
		SOP MK Z	iP	00 22 57.3	1.1	0.06	+	78.91	
			iPcP	59					
			isP	23 10					
			i	27					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
584.	06 26	BUD K N	e	00 57 03					
			eL	01 00 35					
			F	11 20					
		BUD K E	e	00 56 30					
			F	01 11 53					
585.	06 26	BUD MK Z	P	02 32 21				34.94	27.62N 55.99E
			pP	33					T0=02 25 34.9
			esP	50					h= 59
			ePP	33 29					M=5.2
									CSEM
		SOP MK Z	P	02 32 33	1.0	0.03	+	36.64	
			i	35					
			pP	42					
			sP	48					
			PP	33 35					
586.	06 26	SOP MK Z	ePKP/F	04 27 41				152.95	22.44S 175.70W
			epPKP/F	47					T0=04 07 53.4
			ePKP2/A	28 02					h= 33
			pPKP/A	14					Mb=4.7
587.	06 26	SOP MK Z	ePKP/F	06 19 13				153.27	22.70S 175.46W
			ipPKP/F	25					T0=05 59 21.2
			PKP2/A	33					h= 51
			i	37					Mb=5.4
			pPKP/A	44					
588.	06 26	SOP MK Z	ePP	08 51 21				81.36	36.56N 138.41E
									T0=08 36 52.0
									h= 56
589.	06 26	BUD MK Z	eP	14 04 43				26.90	32.04N 48.03E
			pP	55					T0=13 58 58.0
			sP	05 05					h= 33
			ePP	27					Mb=4.6
		SOP MK Z	eP	14 04 43				28.52	
			epP	53					
			esP	57					
			PP	05 25					
590.	06 27	SOP K Z	P	03 51 59				36.59	27.77N 56.18E
			pP	52 17					T0=03 45 02.1
									h= 85
									M=5.3
									CSEM
591.	06 27	BUD K N	e	12 35 39				6.11	44.34N 11.51E
			Sn	36 39					T0=12 33 37.2

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	54					h= 10
			eL	37 09					M=4.1
			M	28	6.0	0.61			CSEM
			F	48 28					
		BUD K E	Pn	12 35 30					
			e	42					
			Pg	54					
			i	36 15					
			e	46					
			eL	56					
			M	37 17	7.2	0.61			
			F	48 48					
		BUD MK Z	Pn	12 35 03				6.11	
			P*	22					
			ePg	32					
			e	36 09					
			e	22					
			e	37					
			i	45					
			iSg	53					
		BUD K2 N	eS*	12 36 40				6.11	
			eSg	37 04					
			eL	10					
			F	42 18					
		BUD K2 E	e	12 36 30					
			eL	37 10					
			F	41 55					
		BUD UT Z	eSg	12 37 09				6.11	
			eL	38 05					
			M	23	13.0	0.85			
			F	42 24					
		SOP MK Z	Pn	12 34 49				4.85	
			iP*	57					
			Pg	35 13					
			iSn	42					
			iSg	36 11					
			i	32					
		SOP K Z	Pn	12 34 49				4.85	
			Pg	35 12					
			Sn	40					
			Sg	36 17					
			i	33					
			eL	37 29					
			F	44 49					
592.	06 27	BUD K N	PKP/F	14 32 03				150.84	24.21S 176.88E
			ePKP2/A	13					T0=14 11 46.4
									h= 33
									Mb=5.2 Ms=5.3
		BUD K E	pPKP/F	14 32 05					
			epPKP/A	18					
			eL	15 05 18					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	18 39					
		BUD MK Z	PKP/F	14 31 34				150.84	
			epPKP/F	47					
			PKP2/A	54					
			epPKP/A	32 07					
		SOP MK Z	PKP/F	14 31 40			-	151.83	
			pPKP/F	49					
			PKP2/A	32 00					
			epPKP/A	12					
		SOP K Z	PKP/F	14 31 48				151.83	
			pPKP/F	58					
			PKP2/A	32 16					
			pPKP/A	43					
593.	06 27	BUD UT Z	eL	15 15 20					
			M	36 53	23.2	1.56			
			F	16 12 51					
594.	06 27	SOP MK Z	ePKP/F	16 26 38				154.20	24.19S 176.96W
			epPKP/F	44					T0=16 06 37.5
			ePKP2/A	50					h= 32
									Mb=5.0
595.	06 27	SOP MK Z	P	23 39 11				61.77	10.63N 42.87W
			pP	13					T0=23 28 55.8
			sP	29					h= 33
			PcP	48					Mb=4.8
596.	06 28	SOP MK Z	PKP/F	01 43 22				151.71	20.99S 175.24W
			PKP2/A	42					T0=01 23 39.7
			pPKP/F	49					h= 68
									Mb=5.2
597.	06 28	BUD K E	e	03 24 32					
			e	28 34					
			eL	30 55					
			F	48 52					
598.	06 28	BUD MK Z	eP	03 51 45				34.95	27.77N 56.18E
			i	50					T0=03 45 02.1
			epP	52 03					h= 85
			esP	14					M=5.3
									CSEM
		SOP MK Z	P	03 51 58				36.59	
			ipP	59					
			sP	52 10					
			ePP	52					
599.	06 28	BUD K N	eP	22 16 30				100.83	0.06S 125.05E
									T0=22 02 42.5

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									h= 33 Mb=5.6 Ms=4.8
		BUD K E	ePP	22 20 40					
			ePPP	22 34					
		BUD MK Z	P	22 16 30	0.8	0.007	+	100.83	
			epP	45					
			esP	17 06					
		SOP MK Z	P	22 16 38				102.42	
600.	06 29	BUD MK Z	P	03 14 26				38.64	50.03N 78.92E
			epP	36					T0=03 06 58.0
			esP	40					h= 0
			PP	15 55					Mb=5.3 Ms=5.2 EXP.
		SOP MK Z	iP	03 14 38.6	1.0	0.06	+	40.04	
			i	40					
			pP	50					
			sP	15 07					
			PP	16 15					
			PcP	31					
601.	06 29	BUD MK Z	ePKP/F	03 31 41				153.18	23.16S 175.19W
			pPKP/F	47					T0=03 11 39.8
			ePKP2/A	53					h= 38
									Mb=5.2 Ms=5.2
		SOP MK Z	ePKP2/A	03 31 45				153.78	
			pPKP/A	32 01					
		SOP K Z	pPKP/A	03 32 00				153.78	
			PP	35 15					
602.	06 29	BUD K N	SP	07 52 45				108.13	7.59S 127.65E
			eL	08 12 04					T0=07 24 24.8
			F	52 54					h= 58
									Mb=6.0
		BUD K E	PP	07 42 55					
			i	43 16					
			S	50 10					
			SP	52 45					
			PS	53 07					
			eL	08 07 10					
			F	09 24 42					
		BUD MK Z	ePP	07 42 42				108.13	
		BUD K2 E	PP	07 43 17					
			ePPP	45 36					
			esSKS/A	49 37					
			eSP	52 40					
			PS	49					
			eSPP	54 11					
			F	08 39 56					
		BUD K2 Z	PP	07 43 17					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD UT Z	PP	07 43 15				108.13	
			ePPP	45 21					
			sSKS/A	49 14					
			SP	52 45					
			eL	08 06 27					
			F	09 07 39					
		SOP MK Z	ePKP	07 42 52				109.74	
			epPKP	43 06					
			iPP	32					
		SOP K Z	PKP	07 43 03				109.74	
			pPKP	18					
			i	30					
			PP	44 02					
			PPP	46 20					
			SKS	49 21					
			S	51 32					
			eL	52 15					
			F	08 12 21					
603.	06 29	BUD K N	P	13 09 07				75.02	14.68S 66.52E
			sP	30					T0=12 57 27.3
									h= 33
									Mb=5.2
		BUD K E	P	13 09 07					
			epP	20					
		BUD K Z	P	13 09 07					
		BUD MK Z	P	13 09 08			-	75.02	
			epP	17					
			PcP	23					
			esP	34					
		SOP MK Z	eP	13 09 16	1.1	0.03		76.40	
			epP	21					
			esP	41					
604.	06 29	BUD MK Z	PKP2/A	19 50 44				153.43	23.45S 175.27W
			epPKP/A	57					T0=19 30 36.4
									h= 33
									Mb=4.7
		SOP MK Z	ePKP/F	19 50 46				154.03	
			pPKP/F	58					
605.	06 29	SOP MK Z	pPKP/F	21 45 16				153.17	22.56S 175.35W
			PKP2/A	21					T0=21 25 13.7
			pPKP/A	27					h= 33
									Mb=4.9
606.	06 30	BUD K N	epPKP/A	03 05 13				152.68	22.88S 175.89W
			F	30 17					T0=02 44 23.0
									h= 33
									Mb=4.7

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	PP	03 08 39					
			ePPP	12 13					
			eL	13 06					
			F	30 43					
607.	06 30	SOP MK Z	P	03 03 01	1.2	0.02	+	89.37	27.69N 139.95E
			pP	04 45					T0=02 50 55.0
									h=465
									Mb=4.8
608.	06 30	BUD K N	ePKP2/A	03 34 12				153.60	23.77S 175.60W
			ePP	38 40					T0=03 14 09.4
									h= 33
									Mb=4.8
		BUD K E	epPKP/A	03 34 23					
			F	54 51					
		SOP MK Z	PKP/F	03 34 19				154.24	
			pPKP/F	27					
			PKP2/A	40					
609.	06 30	SOP MK Z	PKP/F	09 11 12				148.72	17.44S 173.52W
			ePKP2/A	22					T0=08 51 26.1
									h= 68
									Mb=5.3
		SOP K Z	ePKP/F	09 11 21				148.72	
			esPKP/A	12 54					
610.	06 30	BUD K N	e	16 08 18					
			e	27					
		BUD K E	e	16 08 18					
			e	25					
		BUD K Z	e	16 08 25					
			e	41					
			e	09 51					
		SOP MK Z	e	16 06 35					
			i	41					
			e	07 13					
611.	06 30	BUD K N	S	19 33 19				10.43	38.42N 11.93E
			eL	34 15					T0=19 28 36.1
			M	35 19	11.2	0.54			h= 6
			F	57 18					M=4.0
									CSEM
		BUD K E	PPP	19 31 32					
			SS	33 37					
			eL	34 21					
			M	35 36	11.6	1.12			
			F	57 50					
		BUD K Z	eSSS	19 33 42					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	34 48					
			F	48 56					
		BUD MK Z	ePPP	19 31 17				10.43	
			P*	30					
			ePg	44					
		BUD K2 N	ePg	19 32 07				10.43	
			eL	34 53					
			F	46 36					
		BUD K2 E	eL	19 34 56					
			F	47 35					
		BUD UT Z	eSn	19 32 19				10.43	
			eL	34 51					
			F	55 09					
		SOP MK Z	Pn	19 30 57				9.85	
			PP	31 03					
			PPP	14					
			iP*	25					
			i	34					
			Pg	46					
		SOP K Z	Pn	19 30 55				9.85	
			P*	31 22					
			Sn	32 52					
			S*	33 35					
			eL	34 44					
			F	52 29					
612.	07 01	BUD K N	S*	12 44 18				6.90	40.70N 20.84E
			eL	45 17					T0=12 40 37.9
			F	51 41					h= 10
									M=4.1
									CSEM
		BUD K E	ePg	12 43 14					
			e	44 11					
			Sg	49					
			F	53 41					
		BUD K2 N	eL	12 45 13				6.90	
			F	47 58					
		BUD K2 E	eSg	12 44 39					
			F	48 15					
		BUD K2 Z	e	12 43 33					
			eL	45 13					
613.	07 01	BUD MK Z	P	14 51 19				39.60	36.41N 71.11E
			ipP	52 12					T0=14 44 10.3
			sP	56					h=257
			ePcP	53 16					Mb=4.7
			PP	46					
		SOP MK Z	P	14 51 31	1.8	0.17	+	41.25	
			ipP	52 26					
			sP	56					
			iPcP	53 08					
			PP	56					
			iPPP	54 04					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	P	14 51 32				41.25	
			ipP	52 26					
			iPP	54 00					
			PPP	26					
614.	07 01	BUD K N	PcP	15 44 42				78.36	45.61N 151.52E
			esP	50					T0=15 32 41.2
			eL	16 17 33					h= 36
			F	44 52					Mb=5.0 Ms=4.5
		BUD K E	eP	15 44 40					
			PP	47 37					
			eL	16 14 34					
			F	53 48					
		BUD K Z	eP	15 44 40					
			eL	16 22 55					
		BUD MK Z	P	15 44 41	0.9	0.01	+	78.36	
			PcP	43					
			epP	47					
			sP	50					
			i	45 11					
		SOP MK Z	iP	15 44 44.0			+	79.05	
			iPcP	46					
			ipP	53					
			sP	45 02					
		SOP K Z	P	15 44 44				79.05	
			sP	45 32					
			SS	50 16					
			eL	16 25 46					
			F	36 58					
615.	07 01	BUD MK Z	eP	21 53 41				19.10	43.00N 45.46E
			sP	52					T0=21 49 19.9
									h= 53
									Mb=4.8
		SOP MK Z	P	21 53 58				20.78	
			sP	54 14					
			ePP	21					
			ePPP	30					
616.	07 02	BUD K N	eL	02 02 13				130.47	9.95S 160.53E
			F	03 10 53					T0=00 55 09.0
									h= 16
									Mb=5.7 Ms=5.8
		BUD K E	epPKP	01 14 36					
			iPP	16 40					
			SKS	21 06					
			sSKS	41					
			eL	56 13					
			M	02 15 58	16.2	1.09			
			F	03 10 58					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K Z	epPKP	01 14 36					
		BUD MK Z	ePKP	01 14 19				130.47	
			epPKP	27					
		BUD K2 N	PPP	01 19 12				130.47	
			eL	02 05 28					
			F	30 30					
		BUD K2 E	epPKP	01 14 39					
			eL	02 04 39					
			F	31 51					
		BUD K2 Z	ePP	01 17 05					
		BUD UT Z	epPKP	01 14 21				130.47	
			PP	16 37					
			PPP	19 07					
			eSP	27 10					
			eL	54 54					
			M	02 16 02	19.4	1.61			
			F	03 40 20					
		SOP MK Z	ePKP	01 14 22				131.67	
			pPKP	34					
		SOP K Z	PKP	01 14 22				131.67	
			pPKP	59					
			PP	16 45					
			S	24 38					
			SP	27 14					
			PPS	28 53					
			eL	02 14 42					
			F	43 40					
617.	07 03	SOP MK Z	iP	06 46 28.7			+	41.43	25.17N 60.90E
			i	32					T0=06 38 41.4
			ipP	39					h= 33
			sP	48					Mb=4.6
618.	07 03	BUD K N	eL	11 47 46				4.26	46.22N 13.09E
			F	50 59					T0=11 44 56.5
									h= 10
									M=5.0
									CSEM
		BUD K E	eSn	11 46 48					
			eS	47 09					
			Sg	18					
			eL	43					
			M	49	8.0	0.47			
			F	50 59					
		BUD K Z	eS	11 47 09					
		BUD MK Z	Pn	11 46 19				4.26	
			P	27					
			iPg	32					
			Sn	47 09					
			eS	18					
			iSg	44					
		BUD K2 N	e	11 47 32				4.26	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 E	eSg	11 47 32					
		BUD UT Z	eSg	11 47 29				4.26	
		SOP MK Z	iPn	11 45 41.8			+	2.79	
			iP$	44					
			iPg	48					
			i	52					
			iSn	46 10					
			iS$	29					
			iSg	33					
			F	51 04					
		SOP K Z	Pn	11 45 51				2.79	
			Sn	46 23					
			iS$	28					
			iSg	36					
			F	48 09					
619.	07 03	SOP MK Z	Pn	12 15 18				7.51	44.74N 6.59E
			e	24					T0=12 13 26.9
			e	36					h= 10
			ePg	55					M=4.0
			e	16 39					CSEM
			eS$	17 27					
			Sg	40					
		SOP K Z	Pn	12 15 18				7.51	
620.	07 03	BUD K N	P	13 07 52				80.22	52.52N 167.47W
									T0=12 55 41.4
									h= 33
									Mb=5.0 Ms=4.6
		BUD K E	P	13 07 52					
			sP	08 08					
		BUD K Z	P	13 07 52					
			epP	08 04					
		BUD MK Z	P	13 07 51	1.1	0.03	+	80.22	
			epP	08 02					
			sP	19					
		SOP MK Z	iP	13 07 50.1			+	80.11	
			iPcP	55					
			ipP	08 02					
			sP	18					
			i	24					
		SOP K Z	P	13 07 51				80.11	
			sP	08 03					
621.	07 03	BUD K N	eP	14 53 02				100.63	1.43N 126.43E
			sSKS/A	15 03 45					T0=14 39 14.1
			iS	04 09					h= 51
			SPP	07 12					Mb=5.9
			eL	20 14					
			F	16 36 58					
		BUD K E	eP	14 53 02					
			iPP	57 10					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PPP	59 30					
			iSKS/A	15 03 35					
			iSKS/D	04 33					
			PS	06 14					
			L	19 14					
			F	17 05 43					
		BUD K Z	eP	14 53 02					
			sSKS/A	15 03 45					
			F	16 05 42					
		BUD MK Z	eP	14 52 59				100.63	
			i	53 07					
			PP	57 27					
			ePPP	59 11					
		BUD K2 N	iSKS/D	15 03 49				100.63	
			SPP	06 07					
			eL	20 16					
			F	16 03 34					
		BUD K2 E	P	14 52 02					
			PPP	58 09					
			iSKS/D	15 03 36					
			eL	20 09					
			F	57 47					
		BUD K2 Z	ePP	14 56 03					
			PPP	58 09					
			S	15 03 33					
		BUD UT Z	PP	14 56 45				100.63	
			PPP	59 28					
			S	15 03 36					
			eL	16 35					
			M	40 31	44.6	2.08			
			F	17 10 45					
		SOP MK Z	eP	14 53 03				102.20	
			i	41					
			PP	57 31					
			ePPP	58 59					
			SKS/A	15 03 35					
			SKS/D	04 23					
		SOP K Z	iP	14 53 05.2	2.5	0.89	+	102.20	
			PP	57 44					
			ePPP	59 08					
			SKS/A	15 03 40					
			sSKS/D	05 04					
			SP	06 48					
			SPP	07 49					
			SSP	12 29					
			eL	37 38					
			F	16 10 00					
622.	07 03	SOP MK Z	P	17 41 56				80.02	52.61N 167.47W
			PcP	42 04					T0=17 29 49.3
			pP	07					h= 33
			sP	16					Mb=4.7

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
623.	07 04	SOP MK Z	PKP/F	07 33 56				148.11	18.10S 178.21W
			PKP2/A	59					T0=07 15 02.7
									h=464
									Mb=5.0
		SOP K Z	PKP2/A	07 33 59				148.11	
624.	07 04	BUD K N	ePKP/F	08 52 22				152.58	52.93S 118.50W
			pPKP/A	48					T0=08 32 21.2
									h= 33
									Mb=5.3 Ms=5.3
		BUD K E	epPKP/F	08 52 27					
			PKP2/A	37					
			eL	09 57 08					
			F	10 24 53					
		BUD MK Z	PKP/F	08 52 22				152.58	
			pPKP/F	27					
			PKP2/A	36					
625.	07 04	SOP MK Z	pP	21 10 07				41.36	37.36N 72.04E
			esP	23					T0=21 01 57.5
			PcP	11 03					h=146
			PP	20					Mb=5.0
			PPP	55					
626.	07 06	BUD K N	sP	04 56 03				93.99	5.27N 82.65W
			eL	21 17					T0=04 42 23.6
			F	06 14 24					h= 33
									Mb=5.4 Ms=5.5
		BUD K E	P	04 55 41					
			PP	59 27					
			i	05 00 13					
			SKS	07 10					
			sS	08 24					
			eL	21 17					
			F	96 10 51					
		BUD K Z	epP	04 55 44					
		BUD MK Z	P	04 55 43			-	93.99	
			epP	45					
			esP	57					
			ePP	59 29					
		BUD UT Z	ePP	04 59 27				93.99	
			SP	05 00 04					
			eL	25 34					
			M	33 54	21.8	0.70			
			F	06 13 27					
		SOP MK Z	P	04 55 34			+	92.31	
			epP	39					
			esP	55					
		SOP K Z	iP	04 55 35.7				92.31	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	56 24					
			S	05 06 22					
			PS	07 42					
			SSP	08 54					
			eL	33 52					
			F	54 44					
627.	07 06	BUD K N	P	08 58 03				54.23	6.18S 29.53E
			pP	12					T0=08 48 38.2
			sP	26					h= 33
			PP	09 00 16					Mb=5.1
			ePPP	01 06					
		BUD K E	P	08 58 03					
			pP	12					
			sP	26					
		BUD K Z	P	08 58 03					
			pP	12					
			ePcP	59 15					
		BUD MK Z	eP	08 58 01				54.23	
			ipP	13					
			isP	18					
			PcP	59 13					
			i	20					
			PP	09 00 54					
			PPP	01 04					
		BUD K2 Z	P	08 58 04				54.23	
			pP	12					
			esP	38					
		BUD UT Z	eP	08 58 05				54.23	
			ePcP	59 16					
		SOP MK Z	iP	08 58 06.7	2.0	0.09	-	54.84	
			pP	19					
			esP	45					
			PcP	59 05					
		SOP K Z	iP	08 58 06.7				54.84	
			sP	24					
			PP	09 00 20					
			PPP	01 00					
			eS	05 04					
			SS	09 20					
			eL	25 32					
			F	10 02 44					
628.	07 06	SOP MK Z	PKP/F	11 47 09				150.76	21.06S 178.57W
			i	11					T0=11 28 31.5
			iPKP2/A	45					h=594
			pPKP/F	49 27					Mb=5.8
			ipPKP/A	57					
			isPKP/F	50 31					
			sPKP/A	59					
		SOP K Z	iPKP/F	11 47 12.7			-	150.76	
			i	19					
			iPKP2/A	30					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipPKP/F	49 31					
			pPKP/A	50					
			sPKP/F	50 32					
			sPKP/A	44					
			eL	53 44					
			F	12 19 44					
629.	07 08	BUD K E	P	05 32 40				39.52	36.61N 71.15E
			epP	33 20					T0=05 25 27.4
			esP	50					h=212
			PcP	34 30					Mb=4.9
			ePPP	35 12					
			eL	41 42					
			F	59 49					
		BUD MK Z	P	05 32 40	1.8	0.18	-	39.52	
			pP	33 26					
			esP	49					
			PPP	35 09					
		BUD K2 Z	P	05 32 42				39.52	
			sP	33 52					
		BUD UT Z	eP	05 32 40				39.52	
			esP	33 51					
			PPP	35 13					
			eL	41 39					
			F	48 38					
		SOP MK Z	iP	05 32 52.7	1.8	0.17	-	41.17	
			sP	34 04					
			iPcP	46					
		SOP K Z	iP	05 32 53.7				41.17	
			pP	33 21					
			sP	34 05					
			PcP	35					
			PPP	35 25					
630.	07 08	BUD K E	P	06 30 39				40.35	10.94N 39.62E
			pP	47					T0=06 23 02.4
			esP	31 03					h= 38
			PP	32 01					Mb=5.0
		BUD MK Z	P	06 30 39.0				40.35	
			i	42					
			pP	50					
			isP	53					
			ePP	31 48					
		BUD K2 Z	P	06 30 40				40.35	
			pP	44					
			PP	32 15					
		SOP MK Z	P	06 30 48	1.1	0.05	-	41.44	
			i	54					
			ipP	56					
			sP	31 05					
			PcP	32 47					
		SOP K Z	iP	06 30 46.7	1.8	0.42		41.44	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	32 39					
			PPP	33 27					
631.	07 08	BUD MK Z	e	09 57 45					
			e	58 03					
			i	59 07					
632.	07 08	BUD MK Z	e	11 48 03					
			e	06					
			i	49 25					
633.	07 08	SOP MK Z	iP	18 11 46.1				83.31	23.91N 123.54E
			pP	59					T0=17 59 23.0
			sP	12 08					h= 53
									Mb=5.3
634.	07 08	SOP MK Z	eP	19 04 09				19.59	39.50N 41.23E
			sP	27					T0=18 59 42.2
			ePP	31					h= 33
									Mb=4.5
635.	07 08	BUD K N	e	22 22 04					
			e	23 31					
			eL	54 48					
			M	23 04 33					
			F	26 20					
		BUD K E	e	22 22 04					
			e	26 04					
			eL	54 08					
			M	23 04 10					
			F	46 11					
636.	07 09	BUD K N	SS	10 30 09				12.65	35.25N 23.39E
			eL	32 44					T0=10 24 27.4
									h= 60
									M=5.0
									CSEM
		BUD K E	ePPP	10 28 02					
			SSS	30 19					
			eL	31 46					
			F	48 25					
		SOP K Z	PP	10 28 49				13.42	
			PPP	30 21					
			eL	33 20					
			F	56 07					
637.	07 09	BUD K N	e	15 13 04					
			e	14 06					
			e	18 39					
			eL	38 09					
			F	16 03 26					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	e	15 13 17					
			e	23 04					
			eL	36 07					
			M	45 11					
			F	16 14 33					
638.	07 09	BUD MK Z	PKP/F	17 04 05			+	152.56	22.45S 175.10W
			pPKP/F	16					T0=16 44 09.4
			ePKP2/A	27					h= 33
			epPKP/A	51					Mb=5.5 Ms=4.9
		SOP MK Z	PKP/F	17 03 57				153.14	
			i	04 05					
			ipPKP/F	09					
			iPKP2/A	21					
			pPKP/A	30					
		SOP K Z	PKP/F	17 04 06				153.14	
			PKP2/A	22					
			pPKP/A	39					
			SKS/F	10 35					
639.	07 10	BUD K N	P	00 28 52				89.33	37.93S 49.68E
			pP	29 08					T0=00 15 58.8
			e	28					h= 33
			PPP	34 19					Mb=5.4 Ms=4.6
		BUD K E	sP	00 29 17					
			F	45 56					
		BUD MK Z	P	00 28 52	2.0	0.12		89.33	
			sP	29 04					
		BUD K2 Z	P	00 28 54				89.33	
			esP	29 07					
		BUD UT Z	P	00 28 55				89.33	
		SOP MK Z	iP	00 28 57.5	1.8	0.10	+	90.21	
			pP	29 01					
			isP	13					
		SOP K Z	iP	00 28 56.7	2.0	0.67	-	90.21	
			sP	29 20					
640.	07 10	BUD K N	ePKP	02 01 15				110.33	56.11S 27.55W
			sPKP	02 04					T0=01 42 36.5
			PP	24					h=122
			PPP	04 31					Mb=6.1
			sSKS/A	08 20					
			sSKS/D	09 14					
			eL	37 08					
		BUD K E	i	02 07 20					
			SKS/D	08 15					
			eL	28 00					
		BUD K2 Z	sPKP	02 01 47				110.33	
			ePP	02 08					
			PPP	04 33					
		BUD UT Z	PP	02 02 06				110.33	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPS	17 26					
			SSS	21 01					
			eL	37					
			M	45 54	16.0	1.50			
		SOP MK Z	eP	01 57 28				109.80	
			iPKP	02 01 44					
			pPKP	02 02					
			sPKP	24					
			PPP	31					
		SOP K Z	P	01 57 44				109.80	
			PKP	02 01 20					
			pPKP	02 02					
			ePPP	04 31					
			SP	12 26					
			SSS	21 34					
			eL	24 20					
			F	46 42					
641.	07 10	BUD K N	epPKP	02 57 17				142.28	19.12S 168.40E
			esSKS	03 04 29					T0=02 37 14.6
			eL	50 39					h= 12
									Mb=5.5 Ms=5.5
		BUD K E	epPKP	02 57 17					
			PP	03 00 15					
			PPP	03 23					
			eL	45 05					
		BUD MK Z	PKP	02 56 46				142.28	
			ipPKP	52					
		SOP MK Z	PKP	02 56 48				143.44	
			i	52					
			ipPKP	57 01					
			PP	03 00 06					
		SOP K Z	PKP	02 56 48				143.44	
			PPP	03 11 44					
			eSPP	13 32					
642.	07 10	BUD K N	ePKP2/A	04 39 14				150.44	21.82S 179.28W
			epPKP/F	41 14					T0=04 20 25.5
			sPKP/A	42 29					h=582
									Mb=5.3
		BUD K E	ePKP/F	04 39 04					
			epPKP/A	41 31					
			sPKP/A	42 29					
			PP	44 40					
			F	05 05 15					
		SOP MK Z	iPKP/F	04 39 13.8			+	151.21	
			iPKP2/A	26					
			epPKP/F	41 32					
		SOP K Z	PKP/F	04 39 14				151.21	
			PKP2/A	26					
			pPKP/F	41 29					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	39					
643.	07 10	BUD UT Z	PKP2/A	05 30 49				150.54	21.91S 179.25W
			pPKP/F	32 37					T0=05 11 40.8
			ePPP	39 05					h=607
									Mb=5.4
644.	07 10	BUD MK Z	e	13 52 34					
			i	38					
			i	45					
645.	07 10	SOP MK Z	PP	20 08 48				111.02	6.30S 131.05E
			ePPP	10 14					T0=19 49 45.0
									h= 33
									Mb=5.7 Ms=4.8
646.	07 11	BUD K N	pP	09 50 43				79.57	51.41N 176.31E
			sP	49					T0=09 38 32.4
			PP	53 45					h= 13
			PPP	55 38					Mb=5.1 Ms=4.8
			eL	10 25 11					
			F	11 03 45					
		BUD K E	eP	09 50 30					
			eL	10 25 31					
		BUD K Z	pP	09 50 43					
			sP	49					
		BUD MK Z	iP	09 50 42.4	1.2	0.06	+	79.57	
			PcP	47					
			pP	51					
		BUD K2 Z	P	09 50 43				79.57	
			PcP	50					
			esP	51 14					
		SOP MK Z	P	09 50 41.5				79.76	
			PcP	45.2					
			epP	50.7					
			esP	53.2					
		SOP K Z	P	09 50 42			+	79.76	
			ipP	48					
			sP	56					
647.	07 11	BUD K N	eP	12 47 42				77.69	48.02N 155.74E
			ePcP	50					T0=12 35 42.1
									h= 33
									Mb=5.0 Ms=4.7
		BUD K E	epP	12 47 48					
		BUD MK Z	P	12 47 41				77.69	
			pP	43					
			PcP	57					
			esP	48 01					
		SOP MK Z	P	12 47 42				78.28	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PcP	49					
			pP	57					
			sP	48 06					
		SOP K Z	P	12 47 52				78.28	
648.	07 11	BUD K N	e	23 14 35					
		BUD K E	e	23 13 17					
			e	15 50					
			e	16 04					
			eL	41 06					
			F	00 10 56					
649.	07 13	BUD K N	P	08 17 18				40.96	29.88N 67.45E
			pP	27					T0=08 09 15.7
			eS	23 13					h= 10
			SP	50					Mb=5.1 Ms=5.5
			eL	26 44					
			F	09 39 32					
		BUD K E	P	08 17 18					
			esP	36					
			iPP	18 50					
			PcP	19 06					
			PPP	20 03					
			i	22 34					
			eSSP	24 14					
			iScS	27 14					
			M	08 35 18	20.0	6.00			
			F	09 41 37					
		BUD K Z	P	08 17 18					
			F	09 04 49					
		BUD MK Z	P	08 17 08				40.96	
			pP	21					
			esP	26					
			PP	18 34					
			ePPP	19 24					
		BUD K2 Z	PP	08 18 39				40.96	
			ePcP	19 08					
			ePPP	24					
			SS	25 18					
			eL	33 56					
			F	09 07 50					
		BUD UT Z	ePP	08 18 38				40.96	
			PPP	19 09					
			S	23 10					
			SSS	26 35					
			eL	31 49					
			M	34 32	22.4	4.55			
			F	53 40					
		SOP MK Z	P	08 17 14				42.64	
			epP	25					
			sP	39					
			PcP	19 12					
			PP	22					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPP	28					
		SOP K Z	P	08 17 14				42.64	
			pP	27					
			PP	19 08					
			PPP	58					
			sS	24 00					
			SS	26 23					
			eL	35 52					
			F	09 15 35					
650.	07 13	BUD MK Z	i	12 32 49.5					
			F	33 13					
651.	07 14	BUD K N	eL	00 46 41					
			F	57 58					
		BUD K E	eL	00 46 40					
			F	57 46					
		BUD K Z	e	00 47 57					
			F	54 35					
652.	07 14	BUD K N	pP	05 55 43				32.59	40.31N 63.68E
			i	57					T0=05 49 08.7
			PcP	58 19					h= 33
			SSS	06 03 53					Mb=5.5 Ms=5.4
			eL	09 51					
		BUD K E	P	05 55 41					
			i	56 08					
			iPP	55					
			PPP	57 19					
			iS	06 01 09					
			iSS	03 05					
		BUD K Z	P	05 55 41	3.00	0.55			
			sP	54					
			esS	06 01 14					
		BUD MK Z	iP	05 55 39.6	1.8	0.29	+	32.59	
			i	45					
			pP	49.6					
			sP	56					
			PP	57					
			PPP	57 13					
			ePcP	28					
			eS	06 00 35					
			esS	01 25.5					
			eScS	06 04					
		BUD UT Z	P	05 55 39				32.59	
			ePcP	58 13					
			SSS	06 03 07					
			eL	09 36					
			F	52 52					
		SOP MK Z	iP	05 55 52.9	1.3	0.44	+	34.24	
			ipP	59.4					
			isP	56 07.7					
			PP	57 10					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PPP	33					
			PcP	58 21					
			eS	06 00 49					
		SOP K Z	iP	05 55 53.2	1.5	0.94	+	34.24	
			isP	56 13					
			PP	57 15					
			PcP	58 45					
			SS	06 03 51					
			eSSS	04 50					
			eL	08 43					
			F	43 45					
653.	07 14	BUD K N	eL	21 07 10					
			F	26 35					
		BUD K E	e	21 07 04					
			F	33 08					
654.	07 15	BUD K N	P	02 25 08				81.00	24.05N 122.21E
			pP	22					T0=02 12 54.4
			S	35 14					h= 33
			eSP	36 20					Mb=5.5 Ms=5.7
			eL	53 27					
			F	02 43 59					
		BUD K E	P	02 25 08			+		
			pP	22					
			ePP	28 15					
			iSKS	35 17					
			eSSP	37 12					
			eL	54 11					
			F	04 01 24					
		BUD K Z	P	02 25 08			+		
			sP	29					
			eL	03 01 04					
			F	27 47					
		BUD K2 Z	iP	02 25 08.2			+	81.00	
			isP	28					
			eL	03 04 10					
			F	28 38					
		BUD UT Z	iP	02 25 09.2			-	81.00	
			eL	58 17					
			M	03 07 35					
			F	49 43					
		SOP MK Z	iP	02 25 13.4			+	82.41	
			ipP	15.0					
			esP	21					
			ePP	28 08					
		SOP K Z	P	02 25 15.3				82.41	
			sP	35					
			ePP	28 25					
			eL	03 02 36					
			M	06 28					
			F	39 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
655.	07 16	BUD K N	ePn	13 14 29				3.43	46.28N 14.34E
			Pg	40					T0=13 13 32.1
			i	51					h= 10
			iSn	15 06					M=4.8 M=4.1
			eL	11					CSEM
			M	46	8.2	4.76			
			F	34 44					
		BUD K E	ePn	13 14 29					
			P*	33					
			Pg	40					
			i	45					
			eL	15 20					
			M	56	9.0	3.77			
			F	35 25					
		BUD K Z	S*	13 15 17					
			eL	44					
			M	54	6.6	1.12			
			F	21 32					
		BUD K2 Z	Pn	13 14 36				3.43	
			Pg	52					
			Sn	15 15					
			M	54	3.5	7.80			
			F	25 54					
		BUD UT Z	ePg	13 14 40				3.43	
			iS*	15 18					
			iSg	39					
			eL	44					
			M	52	6.4	0.86			
			F	24 52					
		SOP K Z	Pn	13 14 04				2.06	
			iPg	08					
			i	12					
			iSn	29					
			iSg	40					
656.	07 17	BUD K N	eSS	09 35 05				30.49	77.86N 18.32E
			F	48 24					T0=09 22 24.5
									h= 10
									Mb=4.5
		BUD K E	eSS	09 35 08					
			eSSS	18					
			ScS	38 37					
			F	56 15					
657.	07 17	SOP MK Z	Pn	09 44 23				2.16	46.13N 14.36E
			Pg	26					T0=09 43 47.9
			Sn	46					h= 33
			eS*	49					
			eSg	55					
		SOP K Z	S*	09 44 58				2.16	
			eSg	45 15					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
658.	07 17	SOP MK Z	iPKP2/A	10 46 46.0	1.4	0.05	+	158.08	62.89S 168.22E
			i	51.5					T0=10 26 19.0
			pPKP/A	56					h= 33
									Mb=5.6
		SOP K Z	PKP/A	10 46 46				158.08	
			pPKP/A	54					
			PP	49 52					
659.	07 18	BUD K N	Sn	10 11 51				5.81	41.73N 20.17E
			e	12 16					T0=10 09 16.7
			iSg	27					h= 10
			F	18 56					M=6.9
									CSEM
		BUD K E	i	10 11 53					
			i	12 04					
			S#	13					
			iSg	27					
			eL	47					
			F	18 52					
		BUD MK Z	ePn	10 10 42				5.81	
			e	51					
			Pg	11 05					
			Sn	46					
			e	52					
			S#	12 09					
			Sg	23					
		BUD K2 Z	Sn	10 11 54				5.81	
			S#	12 18					
			Sg	26					
			F	14 56					
660.	07 19	SOP MK Z	i	13 55 38.8					
			i	48					
			i	56 28					
661.	07 21	BUD K N	iPKP2/A	12 13 21				153.88	53.86S 158.60E
			i	41					T0=11 53 22.5
			SKS/F	19 49					h= 33
			PPP	21 19					Mb=6.4 Ms=6.7
			eL	27 29					
		BUD K E	pPKP/F	12 13 14					
			ipPKP/A	35					
			iPP	17 03					
		BUD K Z	ePKP/F	12 13 09					
			iPKP2/A	21					
			ipPKP/A	35					
			eL	26 51					
		BUD MK Z	PKP/F	12 13 13				153.88	
			i	16					
			ipPKP2/A	35					
			PP	17 10					
			eSKS/F	19 46					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 Z	PKP/F	12 13 10				153.88	
			ipPKP/F	23					
			ipPKP/A	50					
			PP	17 39					
			eL	19 22					
		BUD UT Z	iPKP/F	12 13 10.8	10.4	9.23	-	153.88	
			i	16 12					
			iPP	17 31					
			SKS/F	19 52					
662.	07 21	BUD K N	pP	13 58 37				86.43	16.88N 122.36E
			isP	47					T0=13 45 54.0
			i	58					h= 33
			PP	14 02 05					Mb=6.1 Ms=6.9
		BUD K E	P	13 58 35					
			i	56					
		BUD K Z	P	13 58 35					
			isP	47					
			i	59 07					
		BUD MK Z	iP	13 58 34.7			+	86.43	
			ipP	41					
			isP	57					
			i	59 05					
			PP	14 01 46					
			PPP	04 05					
		BUD K2 Z	iP	13 58 34.7			+	86.43	
			ipP	41					
			i	59 07					
			iPP	14 02 33					
			PPP	04 22					
		BUD UT Z	P	13 58 56				86.43	
			ipP	59 07					
			sP	22					
			i	35					
663.	07 22	SOP MK Z	P	00 43 09				85.80	17.19N 86.26W
			sP	34					T0=00 30 42.4
									h= 33
									Mb=4.6
664.	07 22	SOP MK Z	eP	01 46 18				13.06	36.12N 24.79E
			pP	38					T0=01 43 18.3
			sP	49					h=110
									M=4.6
									CSEM
665.	07 22	BUD K N	pPKP/A	17 37 34				160.33	33.79S 179.72W
									T0=17 16 40.3
									h= 31
									Mb=6.0 Ms=5.9

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	ePKP/F	17 36 35					
			PKP2/A	37 18					
			SKS/F	43 22					
			sSKS/F	44 14					
		BUD K Z	ePKP/F	17 36 35					
			pPKP/F	50					
			PKP2/A	37 18					
			ePP	41 15					
		BUD MK Z	PKP/F	17 36 38				160.33	
			epPKP/F	44					
			iPKP2/A	37 20					
			pPKP/A	37					
		BUD K2 Z	PKP/F	17 36 37				160.33	
			epPKP/F	53					
			PKP2/A	37 19					
			epPKP/A	38					
		SOP MK Z	iPKP/F	17 36 37.4	1.5	0.09	+	161.48	
			ipPKP/F	50					
			PKP2/A	37 03					
			pPKP/A	13					
			ePP	40 12					
		SOP K Z	iPKP/F	17 36 37.4				161.48	
			pPKP/F	37 05					
			PKP2/A	19					
			pPKP/A	38 03					
			PP	41 42					
			sSKS/F	43 42					
			PPP	44 52					
			iPPP	48 58					
			eL	18 44 35					
			F	19 38 47					
666.	07 23	BUD K N	ePPP	07 07 53				44.78	42.19N 83.39E
			eS	11 17					T0=06 57 03.7
			SS	15 10					h= 33
			SSS	49					Mb=5.1 Ms=5.1
			eL	24 51					
			F	50 51					
		SOP MK Z	P	07 05 29				46.30	
			pP	33					
			sP	40					
			PcP	07 02					
			PP	12					
			ePPP	35					
667.	07 23	SOP MK Z	iP	13 56 43.7			-	78.37	54.31N 162.41W
			iPcP	55					T0=13 44 54.6
			esP	57 09					h= 27
									Mb=5.1
		SOP K Z	P	13 56 54				78.37	
668.	07 24	SOP MK Z	PKP/F	06 42 30			-	146.75	15.33S 173.15W

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPKP2/A	33					T0=06 22 51.3
			ipPKP/F	46					h= 33
			ipPKP/A	51					Mb=6.0
			i	59					
		SOP K Z	iPKP/F	06 42 31.1	4.0	6.46		146.75	
			i	43 14					
669.	07 24	BUD K N	eP*	09 57 46				7.11	41.02N 14.87E
			Pg	58 05					T0=09 55 32.2
			Sn	44					h= 35
			e	54					M=4.6
			eS*	59 16					CSEM
			eL	10 00 04					
			M	55	8.0	0.95			
			F	08 49					
		BUD K E	Sn	09 58 44					
			e	59 07					
			Sg	25					
			eL	45					
			M	10 00 39	7.6	0.61			
			F	09 18					
		BUD K Z	Sg	09 59 25					
			eL	10 00 26					
			F	05 53					
		SOP MK Z	Pn	09 57 07				6.77	
			e	15					
			i	20					
			P*	35					
			Pg	46					
			e	58 09					
			e	32					
			S*	59 00					
			iSg	09					
		SOP K Z	Pn	09 57 13				6.77	
			Sn	58 31					
			S*	59 03					
			M	10 01 37					
			F	10 53					
670.	07 24	SOP MK Z	iP	13 20 12.3			+	56.75	5.43N 61.16E
			pP	17					T0=13 10 30.0
									h= 33
									Mb=4.7
671.	07 24	SOP MK Z	iP	20 08 32.6			+	98.58	19.49N 144.11E
			ePP	13 29					T0=19 55 36.8
									h=409
									Mb=5.4
672.	07 25	BUD MK Z	e	12 16 52					
			i	17 14					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	39					
673.	07 25	SOP MK Z	e	22 33 11					
			i	18					
			i	22					
674.	07 26	SOP MK Z	P	01 25 07				37.07	27.50N 56.63E
			ipP	13					T0=01 18 04.3
			esP	39					h= 70
									M=4.8
									CSEM
675.	07 27	SOP MK Z	PKP/F	03 14 49				148.37	17.06S 173.43W
			iPKP2/A	53					T0=02 55 08.5
			pPKP/F	59					h= 46
			pPKP/A	15 06					Mb=4.8
		SOP K Z	PKP/F	03 14 53				148.37	
			pPKP/A	15 06					
676.	07 27	SOP MK Z	PKP/F	08 29 42				147.49	15.85S 171.90W
			iPKP2/A	48					T0=08 09 58.8
			pPKP/F	57					h= 33
			epPKP/A	30 18					Mb=4.6
		SOP K Z	PKP/F	08 29 48				147.49	
			PKP2/A	44					
			pPKP/A	30 08					
677.	07 27	SOP MK Z	iP	17 38 03.1			+	87.84	17.06N 122.49E
			i	04					T0=17 25 16.2
			pP	14					h= 41
			sP	36					Mb=5.4
		SOP K Z	eP	17 38 04				87.84	
			pP	13					
678.	07 28	BUD K N	P	01 57 16				56.36	1.14S 14.03W
			pP	25					T0=01 47 32.7
			PP	59 48					h= 33
			PPP	02 00 48					Mb=5.3 Ms=5.3
			S	05 10					
			eL	18 46					
			M	19 28	16.4	2.72			
			F	57 30					
		BUD K E	P	01 57 16					
			sP	40					
			PcP	58 13					
			i	02 00 33					
			iScS	07 03					
			iSS	09 15					
			eL	18 14					
			F	54 24					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K Z	P	01 57 16					
			sP	40					
			eL	02 19 55					
			F	47 40					
		BUD MK Z	P	01 57 16				56.36	
			pP	26					
			isP	36					
			PcP	58 10					
			ePP	59 06					
		BUD K2 Z	P	01 57 17				56.36	
			ePcP	58 21					
			PP	59 21					
			PPP	02 00 35					
			eL	19 56					
			F	33 36					
		SOP MK Z	P	01 57 06				55.45	
			ipP	15					
			i	19					
			isP	24					
			PcP	58 06					
			PP	59 11					
			PPP	02 00 42					
		SOP K Z	P	01 57 07				55.45	
			ipP	15					
			isP	38					
			PcP	58 11					
			PPP	02 00 28					
			PS	05 09					
			ScS	06 52					
			SS	09 14					
			SSS	10 16					
			eL	18 06					
			F	03 08 42					
679.	07 28	BUD K N	eP	15 34 56				84.40	44.24N 128.96W
			isS	45 30					T0=15 22 18.5
			SP	46 24					h= 15
			SSP	51					Mb=5.1 Ms=5.4
			eL	16 01 13					
			F	37 26					
		BUD K E	eP	15 34 56					
			pP	35 08					
			isS	45 30					
			PS	46 12					
			eL	57 09					
			F	17 04 40					
		BUD K Z	eP	15 34 56					
			sP	35 13					
			eL	16 15 17					
			F	35 38					
		SOP MK Z	eP	15 34 50				83.55	
			epP	59					
			esP	35 18					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	P	15 34 51				83.55	
			pP	57					
			isP	35 07					
680.	07 29	SOP MK Z	iP	09 21 59.2	1.0	0.04	+	42.99	38.19N 75.14E
			pP	22 29					T0=09 14 08.3
			esP	41					h=102
			PcP	23 53					Mb=5.2
			PP	24 20					
			PPP	47					
681.	07 29	BUD MK Z	PKP	11 34 47				126.10	8.03S 155.53E
			i	51					T0=11 15 45.3
			pPKP	58					h= 33
			PP	36 25					Mb=6.4 Ms=7.2
			M	49	4.3	1.05			
		BUD MK Z	SP	11 47 27				126.10	
			ePPS	57					
		BUD K2 Z	PKP	11 34 49			+	126.10	
			ipPKP	54					
			iPP	36 41					
		SOP MK Z	PKP	11 34 49				127.38	
			i	51					
			ipPKP	53					
			PP	37 08					
		SOP K Z	PKP	11 34 49				127.38	
			ipPKP	55					
			i	35 02					
			iPP	37 15					
			PPP	39 37					
			iPS	46 34					
682.	07 29	SOP MK Z	iPKP/F	17 10 43.6				150.30	19.46S 175.03W
			iPKP2/A	47					T0=16 51 06.0
			epPKP/F	11 20					h=129
			epPKP/A	35					Mb=5.1
		SOP K Z	PKP/F	17 10 45				150.30	
			PKP2/A	11 03					
683.	07 29	BUD K N	ePn	21 55 36				2.71	44.98N 17.51E
			Pg	42					T0=21 54 50.2
			i	56 08					h= 10
			eL	47					M=4.0
			F	22 05 42					CSEM
		BUD K E	Pg	21 55 42					
			iSn	56 00					
			iSg	19					
			eL	34					
			F	22 05 42					
		BUD K Z	Pg	21 55 42					
			i	57					
			eL	56 19					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	22 03 45					
		BUD MK Z	ePn	21 55 31				2.71	
			P$	35					
			Pg	40					
			i	42					
			iS$	56 14					
			iSg	21					
		BUD K2 Z	ePn	21 55 42				2.71	
			P$	46					
			Pg	55					
			iS$	56 20					
			eL	25					
			F	22 01 40					
		SOP MK Z	iPn	21 55 34.6			-	2.78	
			iPg	44					
			iSn	55					
			iSg	56 22					
			i	25					
		SOP K Z	Pn	21 55 35				2.78	
			Pg	49					
			Sn	56 01					
			Sg	31					
			eL	53					
			M	57 03					
			F	22 01 47					
684.	07 29	SOP MK Z	P	22 36 17				85.76	18.64N 121.05E
			pP	19					T0=22 23 41.2
			esP	34					h= 40
									Mb=5.2 Ms=4.5
		SOP K Z	epP	22 36 18				85.76	
			esP	35					
685.	07 30	SOP MK Z	iP	07 40 48.0	2.0	0.14	-	56.56	3.17S 12.19W
			pP	52					T0=07 31 07.0
			esP	41 11					h= 33
			ePcP	52					Mb=5.1 Ms=4.7
			PP	43 08					
		SOP K Z	P	07 40 49				56.56	
			pP	56					
			esP	41 14					
			ePcP	38					
686.	07 30	SOP MK Z	P	16 15 11				25.77	71.98N 1.50W
			pP	17					T0=16 09 41.6
			ePP	51					h= 10
			ePPP	16 04					M=4.8
									CSEM
		SOP K Z	eP	16 15 12				25.77	
			esP	42					
687.	07 30	BUD K N	eSS	19 56 11				10.80	36.85N 21.69E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eSg	51					T0=19 51 40.2
			eL	58 05					h= 55
			F	20 07 33					M=5.2
									CSEM
		BUD K E	eP*	19 54 30					
			Sn	55 50					
			SSS	56 20					
			eSg	51					
			eL	57 45					
			F	20 11 38					
		BUD MK Z	P	19 54 10				10.80	
			PPP	25					
			P*	34					
			i	51					
			eSn	56 06					
			SSS	15					
			eS*	36					
		SOP MK Z	P	19 54 16				11.46	
			isP	21					
			PP	29					
			PPP	35					
			i	55 09					
			S	56 21					
			SS	52					
			SSS	57 16					
		SOP K Z	eP	19 54 11				11.46	
			ePPP	41					
			eSS	56 02					
			PcP	59 54					
688.	07 31	SOP MK Z	iP	23 13 52.2			-	34.07	40.42N 63.50E
			epP	14 00					T0=23 07 08.5
			esP	18					h= 33
									Mb=4.7
689.	08 01	SOP MK Z	ePKP2/A	10 40 52				147.87	23.27S 170.30E
			epPKP/A	41 03					T0=10 20 58.4
									h= 24
									Mb=5.2
690.	08 01	SOP MK Z	PKP/F	13 52 12				145.21	20.49S 169.62E
			iPKP2/A	18					T0=13 32 48.8
			i	20					h=100
			ipPKP/F	40					Mb=5.5
			isPKP/F	48					
			sPKP/A	55					
		SOP K Z	iPKP/F	13 52 14.2			-	145.21	
			PKP2/A	32					
			ipPKP/F	43					
			sPKP/F	56					
			sPKP/A	53 13					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
691.	08 01	SOP MK Z	iPKP/F	19 30 41.1			-	149.93	20.04S 178.20W
			i	44					T0=19 11 57.4
			PKP2/A	48					h=599
									Mb=5.3
		SOP K Z	iPKP/F	19 30 41.1				149.93	
			iPKP2/A	50					
692.	08 02	BUD K N	e	14 23 17					
			i	21					
			e	33					
		BUD K E	e	14 23 17					
			i	21					
			e	35					
		BUD MK Z	i	14 23 21			-		
			e	57					
			e	24 31					
693.	08 02	SOP MK Z	i	15 12 13.1			-		
			i	17					
			i	24					
694.	08 02	SOP MK Z	P	20 07 02				90.66	27.36N 142.01E
			pP	12					T0=19 54 00.6
									h= 33
									Mb=5.0
695.	08 03	SOP MK Z	P	01 23 16				60.77	30.32N 94.91E
			pP	30					T0=01 13 06.8
			esP	44					h= 33
									Mb=4.7
696.	08 03	SOP MK Z	i	10 51 03					
			i	15					
			i	21					
697.	08 03	SOP K Z	PKP/F	11 20 06				153.34	23.04S 176.29W
									T0=11 00 25.1
									h=115
									Mb=4.8
698.	08 03	SOP MK Z	Pn	11 21 25				4.60	43.14N 17.62E
			eP*	38					T0=11 20 10.3
			ePg	50					h= 10
			Sn	22 13					M=3.4
									CSEM
		SOP K Z	Pg	11 21 40				4.60	
			Sn	22 18					
			eSg	23 05					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	16					
699.	08 04	SOP MK Z	pPKP	01 30 01				109.78	56.01S 27.78W
			esPKP	19					T0=01 11 11.3
			PP	34					h=112
									Mb=6.1
		SOP K Z	ePKP	01 29 19				109.78	
			pPKP	58					
			PP	30 34					
700.	08 04	SOP MK Z	P	16 52 38				85.58	37.08N 116.00W
			pP	44					T0=16 40 00.1
			esP	59					h= 0
									Mb=5.0
									EXP.
		SOP K Z	eP	16 52 38				85.58	
			esP	53 18					
701.	08 04	SOP MK Z	iPn	22 33 45.0	1.0	0.04	+	7.19	45.68N 26.61E
			e	51					T0=22 32 02.1
			e	57					h=146
			ePg	34 04					Mb=4.7
			e	35 02					
			e	14					
			e	29					
			eSg	55					
		SOP K Z	ePn	22 33 45				7.19	
			ePg	34 15					
702.	08 05	SOP MK Z	eP	13 23 25				15.06	34.31N 25.83E
			isP	32					T0=13 19 59.0
			iPP	36					h= 37
									M=4.7
									CSEM
		SOP K Z	sP	13 24 18				15.06	
			ePPP	50					
703.	08 06	SOP MK Z	ePKP	11 45 07	1.1	0.03	+	126.75	7.07S 155.83E
			epPKP	10					T0=11 26 12.2
									h= 83
									Mb=5.4
		SOP K Z	PKP	11 45 07				126.75	
704.	08 06	SOP MK Z	ePKP/F	12 12 38				149.72	18.61S 174.10W
			PKP2/A	44					T0=11 52 50.6
			ipPKP/F	47					h= 44
			pPKP/A	53					Mb=5.2
		SOP K Z	ePKP/F	12 12 48				149.72	
			pPKP/A	56					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
705.	08 06	BUD MK Z	e	13 16 55					
			i	17 04					
			i	28					
		SOP MK Z	i	13 16 45.4			-		
			i	49					
			i	58					
706.	08 06	SOP MK Z	P	21 02 04				60.71	30.33N 94.83E
			pP	11					T0=20 51 54.8
									h= 33
									Mb=4.7
707.	08 07	SOP MK Z	PKP	02 04 24				136.64	12.37S 166.29E
			pPKP	37					T0=01 45 09.3
			PP	07 11					h= 36
									Mb=5.2
		SOP K Z	PKP	02 04 20				136.64	
			epPKP	44					
			iPP	07 13					
708.	08 07	SOP MK Z	PKP	02 14 10				136.57	12.38S 166.12E
			pPKP	20					T0=01 54 56.3
			ePP	16 51					h= 47
									Mb=5.2
709.	08 07	SOP MK Z	P	11 44 39				59.16	3.57N 62.74E
			pP	46					T0=11 34 43.5
			esP	45 08					h= 33
			ePcP	30					Mb=4.8
		SOP K Z	eP	11 44 43				59.16	
			esP	45 06					
710.	08 08	SOP MK Z	iPg	03 11 12.3			-	0.47	47.58N 15.88E
									T0=03 11 03.8
									h= 10
									M=2.9
									CSEM
		SOP K Z	Sg	03 11 20				0.47	
711.	08 08	SOP MK Z	eP	07 12 54				87.84	6.93N 77.78W
			epP	58					T0=07 00 06.3
			sP	13 06					h= 33
									Mb=5.2
		SOP K Z	P	07 13 00				87.84	
			epP	12					
			esP	36					
712.	08 08	SOP MK Z	PKP/F	15 24 29				147.83	17.80S 178.68W

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PKP2/A	34					T0=15 05 46.5 h=562 Mb=5.1
713.	08 08	SOP MK Z	PKP2/A	17 34 38				153.96	23.27S 174.94W
			epPKP/A	46					T0=17 14 27.6 h= 34 Mb=4.9
714.	08 08	SOP K Z	e	18 45 50					
			eL	48 20					
			F	19 02 08					
715.	08 09	SOP MK Z	iP	01 46 43.8			-	46.80	30.95N 41.48W
			pP	48					T0=01 38 16.6 h= 33 Mb=4.5 Ms=4.1
			esP	59					
716.	08 09	BUD K N	e	16 31 49					
			e	57					
			e	32 23					
		BUD K E	e	16 31 49					
			e	32 02					
			i	15					
		BUD MK Z	e	16 31 54					
			i	32 04					
			i	13					
717.	08 10	BUD K N	e	18 45 55				149.78	20.73S 178.45W
									T0=18 27 09.6 h=585 Mb=5.4
		BUD K E	iPKP2/A	18 45 58					
			pPKP/A	48 16					
			sPKP/A	49 13					
			PP	51 17					
		BUD K Z	ePKP/F	18 45 49					
			pPKP/A	48 16					
		BUD MK Z	PKP/F	18 45 55	1.0	0.02	-	149.78	
			i	57					
			iPKP2/A	46 09					
			pPKP/F	48 12					
			pPKP/A	26					
			sPKP/A	49 35					
		BUD K2 Z	ePKP/F	18 45 49				149.78	
			PKP2/A	58					
			epPKP/F	48 09					
			esPKP/A	49 31					
		SOP MK Z	PKP/F	18 45 50				150.49	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	54					
			PKP2/A	46 21					
			pPKP/F	48 11					
			pPKP/A	19					
			sPKP/F	40					
			sPKP/A	49 24					
718.	08 10	SOP MK Z	P	22 09 51	0.9	0.09	+	57.35	50.92N 110.76E
			pP	10 00					T0=21 59 58.8
									h= 2
									Mb=5.2
719.	08 11	BUD K N	iPKP2/A	02 02 29				148.19	17.56S 174.39W
			ipPKP/F	36					T0=01 42 47.5
			ipPKP/A	47					h= 57
			iPP	06 16					Mb=6.3
			eL	24 48					
			F	04 10 48					
		BUD K E	PKP/F	02 02 26					
			iPKP2/A	29					
			eL	26 50					
			F	04 09 45					
		BUD K Z	PKP/F	02 02 26	3.2		-		
			ipPKP/F	36					
			eL	27 45					
			F	03 43 40					
		BUD MK Z	ePKP/F	02 02 24				148.19	
			iPKP2/A	29					
			ipPKP/F	31					
			ipPKP/A	56					
			i	03 03					
			PP	06 09					
		BUD K2 Z	PKP/F	02 02 25				148.19	
			e	29	3.4	4.14			
			ipPKP/F	36					
			ipPKP/A	03 01					
			iPP	06 07					
			sSKS/F	10 12					
			i	20					
			eL	16 44					
			F	03 32 39					
		SOP MK Z	ePKP/F	02 02 26				148.64	
			iPKP2/A	29					
			ipPKP/A	57					
			i	03 22					
			PP	05 57					
		SOP K Z	ePKP/F	02 02 26				148.64	
			iPKP2/A	30					
			ipPKP/A	42					
			PPP	09 09					
			PPS	18 43					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
720.	08 12	SOP MK Z	iPKP	00 26 49.4				125.85	6.53S 155.01E
			pPKP	56					T0=00 07 51.8
									h= 58
									Mb=5.9
		SOP K Z	PKP	00 26 49				125.85	
721.	08 12	BUD MK Z	e	02 50 26					
			i	39					
			i	42					
722.	08 13	SOP MK Z	P	13 04 52				60.71	30.32N 94.82E
			pP	05 00					T0=12 54 43.2
									h= 33
									Mb=4.6
723.	08 13	BUD MK Z	P	19 45 01				78.18	43.13N 145.58E
			PcP	10					T0=19 33 09.7
			esP	20					h= 62
									Mb=4.9
		SOP MK Z	iP	19 45 07.3				79.00	
			iPcP	11					
			pP	16					
			sP	28					
724.	08 14	SOP MK Z	P	04 34 17				74.53	10.96N 62.37W
			PcP	27					T0=04 22 49.7
			ipP	45					h=112
			isP	53					Mb=4.9
			i	35 00					
			PP	37 31					
		SOP K Z	P	04 34 17				74.53	
			pP	46					
			sP	35 04					
725.	08 14	BUD K N	P	19 16 04				75.54	22.75S 12.75W
			iPcP	14					T0=19 03 44.2
			i	17 12					h= 33
			PP	19 19					Mb=4.9 Ms=5.7
			ePPP	21 12					
			iPS	26 21					
			iPPS	36					
			eL	47 43					
			M	48 46	16.0	1.06			
			F	20 04 43					
		BUD K Z	P	19 16 04					
			pP	11					
			esP	22					
		BUD MK Z	eP	19 16 03				75.54	
			epP	11					
			PcP	22					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	30					
			ePP	17 10					
		BUD K2 Z	eP	19 16 02				75.54	
			PcP	14					
			ePP	18 26					
		SOP MK Z	eP	19 15 29				74.90	
			epP	37					
			i	16 06					
			PP	18 31					
			PPP	20 11					
		SOP K Z	sP	19 16 00				74.90	
			PP	18 48					
			PPP	20 16					
			S	25 18					
			SSP	26 36					
			eL	45 50					
			F	20 01 43					
726.	08 14	BUD K N	epP	21 52 14				94.66	7.76S 107.56E
			PP	56 26					T0=21 38 51.5
			eSKS	22 02 43					h= 33
			sS	03 17					Mb=5.7 Ms=5.7
			iSSP	05 42					
			eL	35 51					
			F	23 13 38					
		BUD K Z	P	21 52 12					
			esP	29					
		BUD K2 Z	P	21 52 12				94.66	
			epP	25					
			PP	56 03					
			ePPP	57 26					
		SOP MK Z	P	21 52 16				96.34	
			pP	30					
			sP	42					
			i	54 57					
			ePP	55 54					
		SOP K Z	P	21 52 16				96.34	
			PP	56 07					
			ePPP	58 48					
			S	22 03 14					
			sS	42					
			SP	04 53					
			PS	05 09					
			eL	42 56					
727.	08 14	BUD MK Z	eP	21 52 12				94.66	7.76S 107.56E
			epP	18					T0=21 38 57.5
			esP	31					h= 33
									Mb=5.7 Ms=5.7
728.	08 14	SOP MK Z	iP	00 01 05.9	1.2	0.02	+	77.25	41.72N 138.57E
			ipP	10					T0=23 49 13.4

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	22					h= 33 Mb=4.9
		SOP K Z	P	00 01 05				77.25	
			sP	16					
			eL	36 42					
			F	57 48					
729.	08 15	BUD K N	eL	00 31 16					
			M	38 39	12.6	1.32			
			F	01 01 47					
		BUD K Z	e	00 35 47					
			eL	37 38					
			M	38 41	14.0	0.47			
			F	49 47					
730.	08 15	SOP MK Z	ePKP/F	06 01 00				153.88	23.32S 175.98W T0=05 41 12.1 h= 33 Mb=5.3
			ePKP2/A	22					
			epPKP/A	34					
731.	08 15	BUD K N	ePn	21 12 39				8.84	38.76N 17.01E T0=21 10 34.8 h= 61 M=5.5 CSEM
			e	51					
			e	55					
			P*	13 08					
			e	14 11					
			i	47					
			iSg	15 16					
			i	37					
			eL	16 11					
			M	48	9.6	1.13			
			F	26 44					
		BUD K E	e	21 14 36					
			S*	49					
			iSg	15 16					
			i	37					
			eL	16 39					
		BUD K Z	ePn	21 12 39					
			F	23 48					
		BUD MK Z	Pn	21 12 38				8.84	
			i	52					
			i	58					
			iP*	13 05					
			iPg	19					
			i	14 22					
			i	43					
			Sg	15 22					
		BUD K2 Z	ePn	21 12 40				8.84	
			eP*	13 08					
			e	14 36					
			S*	49					
			Sg	15 15					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	35					
			F	21 16					
		SOP MK Z	iPn	21 12 39.8			+	8.92	
			i	49					
			i	13 00					
			iP$	04					
			Pg	27					
			e	14 01					
			L	09					
			F	21 40					
		SOP K Z	Pn	21 12 48				8.92	
			P$	13 12					
			Pg	31					
			Sn	14 22					
			e	46					
			Sg	15 20					
			L	16 18					
			F	31 40					
732.	08 16	BUD K N	ePP	05 11 18				148.71	17.41S 171.78W
			SKS/F	14 13					T0=04 47 12.6
			eL	19 49					h= 8
			M	23 28	10.2	0.68			Mb=4.9
			F	41 49					
733.	08 16	BUD MK Z	i	13 45 49					
			e	46 08					
			e	32					
734.	08 17	SOP MK Z	PKP/F	03 27 18				149.34	17.86S 172.49W
			iPKP2/A	27					T0=03 07 29.2
			pPKP/F	35					h= 15
			pPKP/A	46					Mb=5.1
		SOP K Z	PKP/F	03 27 14				149.34	
			pPKP/A	37					
735.	08 17	SOP MK Z	i	10 57 01					
			i	10					
			i	19					
736.	08 17	SOP MK Z	i	12 07 16					
			i	31					
			i	34					
737.	08 18	BUD K N	ePn	06 40 54				9.14	39.69N 25.64E
			e	41 01					T0=06 38 38.9
			ePg	47					h= 10
			S$	43 20					M=4.2
			Sg	38					CSEM
			i	52					
			eL	44 00					
			M	22	13.6	0.72			

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	52 31					
738.	08 18	BUD K N	P	09 30 37				12.73	35.17N 23.40E
			isP	53					T0=09 27 42.2
			PPP	31 02					h= 46
			i	12					M=5.8
			iS	32 55					CSEM
			eL	33 50					
			M	36 59	12.6	11.46			
			F	10 19 37					
		BUD K Z	P	09 30 37					
			isP	53					
			SS	33 25					
			eL	55					
			M	37 39	9.2	2.03			
			F	54 35					
		BUD K2 Z	eP	09 30 39				12.73	
			isP	53					
			ePPP	31 04					
			S	33 25					
			eSSS	52					
			eL	34 03					
			M	37 39	9.6	11.76			
			F	59 43					
		SOP MK Z	iP	09 30 47.3	0.9	0.04	-	13.50	
			ipP	55					
			isP	31 02					
			iPP	11					
			i	22					
			iSS	33 47					
			SSS	54					
		SOP K Z	eP	09 30 45				13.50	
			sP	53					
			iPP	31 00					
			PPP	14					
			eSS	33 27					
			eL	48					
			M	38 03					
			F	10 15 58					
739.	08 18	BUD K N	P	12 11 40			+	78.24	46.63N 153.70E
			iPcP	49					T0=11 59 41.2
			ipP	52					h= 33
			i	12 40					Mb=5.7 Ms=5.0
			PP	14 47					
			ePPP	17 19					
			S	21 31					
			isS	42					
			PS	22 14					
			eL	30 56					
			M	51 49	14.2	2.3			
		BUD K Z	P	12 11 40			+		
			iPcP	49					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	57					
			eL	47 36					
		BUD MK Z	iP	12 11 38.8	2.8	0.77	+	78.24	
			ipP	44					
			isP	58					
			i	12 10					
			ePP	14 20					
		BUD K2 Z	P	12 11 40			+	78.24	
			PcP	44					
			ipP	49					
			esP	50					
			eL	49 54					
			F	13 09 00					
		SOP MK Z	iP	12 11 42.2	0.8	0.12	+	78.88	
			ipP	53					
			isP	12 01					
			i	10					
			PP	14 30					
		SOP K Z	iP	12 11 43.2	3.4	0.97	+	78.88	
			ipP	50					
			sP	12 00					
			eL	13 47					
			F	22 02					
740.	08 18	BUD K N	P	13 09 04				79.76	50.91N 174.66E
			epP	11					T0=12 56 51.9
									h= 33
									Mb=5.3
		BUD K Z	PcP	13 09 09					
			esP	16					
		SOP MK Z	P	13 08 59				79.99	
			iPcP	09 02					
			ipP	10					
			isP	21					
		SOP K Z	eP	13 08 59				79.99	
			epP	09 10					
			esP	17					
741.	08 19	BUD K N	eSg	04 20 51				6.70	42.71N 12.37E
									T0=04 17 13.3
									h= 10
									M=4.0
									CSEM
		SOP MK Z	Pn	04 18 38				5.78	
			e	46					
			iPg	19 02					
			i	10					
			e	27					
			Sn	43					
			i	53					
			Sg	58					
			i	20 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			Sg	27					
742.	08 19	BUD K N	PPP	05 27 14				138.36	9.94S 160.35E
			SKS/C	28 40					T0=05 02 20.6
			SP	34 13					h= 33
			PS	35 07					Mb=4.4
			eL	42 49					
743.	08 19	BUD K N	eP	06 23 02				104.44	11.08S 118.46E
			i	16					T0=06 08 55.2
									h= 33
									Mb=7.0 Ms=7.9
		BUD K Z	i	06 23 12					
			i	25					
			i	24 08					
		BUD K2 Z	P	06 23 02				104.44	
			i	13					
			iPP	26 39					
		SOP MK Z	eP	06 23 06				106.11	
		SOP K Z	P	06 23 06				106.11	
			i	20					
			L	26 10					
744.	08 19	BUD K N	iS	13 49 42				104.72	10.80S 119.17E
			SPP	52 19					T0=13 23 37.0
			i	54 28					h= 33
			eL	14 02 16					Mb=5.8 M=5.7
			F	15 09 35					
		BUD K Z	PP	13 42 05					
			ePPP	44 17					
		SOP MK Z	ePP	13 42 06				106.39	
		SOP K Z	ePP	13 42 12				106.39	
			ePPP	43 56					
			sSKS/A	48 31					
			S	49 38					
			PS	50 55					
			L	14 30 11					
			F	42 48					
745.	08 19	SOP MK Z	iP	18 07 39.4	1.2	0.07	-	85.57	37.11N 116.05W
			ipP	46					T0=17 55 00.1
			sP	52					h= 0
			i	08 20					Mb=5.6
			e	34					EXP.
		SOP K Z	pP	18 07 39				85.57	
			esP	49					
746.	08 19	SOP K Z	ePP	19 57 34				106.37	10.80S 119.14E
			PPP	59 54					T0=19 38 59.7
									h= 33
									Mb=5.8

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
747.	08 19	SOP MK Z	ePP	21 53 37				106.48	10.88S 119.22E T0=21 35 03.3 h= 33 Mb=5.8
748.	08 20	BUD K2 Z	sP	02 59 07				88.23	16.61N 86.85W T0=02 46 11.8 h= 14 Mb=5.3
			ePP	03 01 43					
			eL	37 13					
			F	50 52					
		SOP MK Z	eP	02 58 52			+	86.60	
			pP	56					
			isP	59 02					
			i	18					
		SOP K Z	P	02 58 56				86.60	
			pP	59 08					
			sP	28					
			PP	03 02 32					
			ePPP	04 41					
			eL	30 42					
749.	08 20	BUD K N	sP	04 05 10				88.00	16.70N 86.60W T0=03 51 54.7 h= 36 Mb=5.6 Ms=5.9
			iS	15 32					
			isS	48					
			PS	16 17					
			iSSP	17 13					
			i	18 19					
			iSS	20 54					
			iSSS	23 51					
			eL	33 19					
			F	05 35 35					
		BUD MK Z	eP	04 04 46				88.00	
			epP	53					
			sP	05 01					
			i	06					
		BUD K2 Z	eP	04 04 47				88.00	
			pP	56					
			sP	05 18					
			PP	08 26					
			eL	16 19					
			F	05 08 39					
		SOP MK Z	iP	04 04 35.2			-	86.38	
			ipP	42					
			isP	45					
			i	05 11					
			PP	08 14					
		SOP K Z	P	04 04 35				86.38	
			pP	39					
			sP	45					
			PP	08 34					
			PPP	10 32					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esS	15 50					
			SP	16 32					
			SSP	17 34					
			eL	40 06					
			F	05 29 03					
750.	08 20	BUD K N	PP	09 40 25				104.90	11.10S 119.12W
			i	41 47					T0=09 21 50.3
			PPP	42 36					h= 33
			eS	47 19					Mb=5.7 Ms=5.8
			eL	10 16 33					
			F	11 01 21					
		SOP MK Z	ePP	09 40 13				106.57	
			PPP	42 02					
		SOP K Z	ePP	09 40 12				106.57	
			PPP	42 18					
			ePS	48 47					
			eSPP	50 46					
			eL	10 25 08					
			F	40 57					
751.	08 20	SOP MK Z	ePP	19 34 13				106.52	11.03S 119.13E
			PPP	37 07					T0=19 16 32.7
									h= 33
									Mb=6.0
		SOP K Z	PP	19 34 05				106.52	
			PPP	36 35					
			sSKS/A	40 56					
			sSKS/D	41 13					
			SP	43 46					
			PS	44 11					
			PPS	45					
			eL	20 18 54					
			F	21 08 59					
752.	08 21	SOP MK Z	P	03 07 32	1.3	0.01	-	60.69	30.34N 94.81E
			epP	40					T0=02 57 22.5
			esP	57					h= 33
			ePcP	08 17					Mb=4.9
753.	08 21	SOP MK Z	PKP/F	05 04 10	1.5	0.03	-	146.14	14.77S 173.47W
			iPKP2/A	18					T0=04 44 32.5
			pPKP/A	30					h= 33
			i	40					Mb=4.9
			e	49					
754.	08 21	BUD K N	S	05 41 48				82.69	35.24N 141.11E
			sS	42 13					T0=05 19 34.2
			ePS	42					h= 42
			SSP	43 41					Mb=5.5 Ms=5.2
			eL	06 05 53					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	33 32					
		SOP MK Z	iP	05 31 59.8	1.1	0.06	+	83.69	
			pP	32 08					
			sP	14					
			PP	35 19					
		SOP K Z	P	05 32 00			+	83.69	
			epP	08					
			ePP	34 39					
755.	08 21	SOP K Z	e	13 56 37					
			e	51					
			e	14 00 33					
756.	08 21	SOP MK Z	PKP/F	19 54 56				159.09	29.97S 177.90W
			epPKP/F	55 02					T0=19 35 05.6
			PKP2/A	33					h= 59
			pPKP/A	44					Mb=5.7
757.	08 21	SOP MK Z	e	20 50 26					
			i	51 06					
			e	32					
758.	08 23	SOP MK Z	PKP2/A	08 27 30				155.76	25.60S 176.20W
			epPKP/A	44					T0=08 07 12.9
									h= 49
									Mb=5.4
759.	08 23	SOP MK Z	ePP	10 42 47				105.79	11.39S 117.66E
									T0=10 24 12.1
									h= 33
									Mb=5.7
760.	08 23	SOP MK Z	iP	12 49 07.3	1.0	0.03	-	80.54	40.22N 143.34E
			epP	15					T0=12 36 55.2
									h= 17
									Mb=5.0
761.	08 23	BUD K N	eL	13 21 25					
			N	28 37	17.6	0.55			
			F	39 45					
		BUD K Z	eL	13 28 20					
			F	34 31					
762.	08 24	SOP MK Z	P	03 57 23				84.65	27.02N 130.01E
			epP	39					T0=03 44 47.8
			esP	58 04					h= 33
									Mb=5.2
		SOP K Z	P	03 57 23				84.65	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	47					
763.	08 24	SOP MK Z	ePn	12 00 55				2.76	46.36N 13.01E
			iP*	58					T0=12 00 13.7
			Pg	01 07					h= 10
			eSn	27					M=3.0
			L	37					CSEM
			F	02 10					
		SOP K Z	Pn	12 00 58				2.76	
			Sn	01 32					
			Sg	44					
764.	08 25	BUD K N	e	04 11 04					
			e	17					
			e	31					
			eL	51					
			F	18 47					
765.	08 25	SOP MK Z	PKP	07 55 12			-	145.38	14.95S 177.33W
			pPKP	23					T0=07 35 33.7
									h= 33
									Mb=5.1
		SOP K Z	PKP	07 55 11				145.38	
			pPKP	29					
766.	08 25	BUD K N	SS	18 37 12				104.74	10.74S 119.26E
			iSSP	35					T0=18 05 10.8
			i	38 28					h= 33
			eL	19 01 50					Mb=6.1 Ms=6.0
			M	16 17	15.4	1.25			
		BUD K Z	iSSP	18 37 35					
			eSSS	41 44					
			eL	19 09 07					
		SOP MK Z	PP	18 23 40				106.40	
			i	55					
			ePPP	25 47					
		SOP K Z	PP	18 23 19				106.40	
			ePPP	26 41					
767.	08 25	BUD K N	Sg	19 37 10				6.63	42.63N 12.64E
			i	38 14					T0=19 33 30.2
									h= 10
									M=4.1
									CSEM
		BUD K Z	e	19 37 23					
			e	34					
			e	38 05					
		BUD MK Z	Sn	19 36 28				6.63	
			e	56					
			Sg	37 12					
		SOP MK Z	Pn	19 34 56				5.76	
			i	58					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	35 03					
			P*	09					
			ePg	14					
			Sn	36 00					
			e	14					
			Sg	37					
		SOP K Z	Pn	19 35 02				5.76	
			Pg	27					
			Sn	55					
			Sg	36 52					
768.	08 25	SOP MK Z	Pn	20 44 36				5.77	42.64N 12.58E
			e	38					T0=20 43 09.7
			eP*	48					h= 10
			Pg	45 05					M=3.8
			e	54					CSEM
			e	46 04					
			Sg	14					
		SOP K Z	Pg	20 45 16				5.77	
			eSn	46 05					
			eSg	57					
769.	08 26	SOP MK Z	ePP	08 45 12				106.37	10.66S 119.30E
									T0=08 26 37.5
									h= 33
									Mb=5.6
		SOP K Z	PP	08 44 46				106.37	
770.	08 26	BUD K N	epPKP	20 08 31				111.34	59.42S 20.50W
			iPP	09 29					T0=19 50 01.4
			i	55					h= 33
			sSKS/A	15 16					Mb=6.3 Ms=7.1
			iSKS/D	41					
			eL	17 29					
			M	57 14	16.1	23.76			
			F	23 28 44					
		BUD K Z	ePKP	20 08 29					
			iPP	09 29					
			i	10 19					
			eL	17 11					
			M	54 08	16.4	4.83			
			F	22 58 40					
		BUD MK Z	ePKP	20 08 07				111.34	
			epPKP	09 07					
			i	26					
			iPP	32					
			ePPP	11 32					
		SOP MK Z	eP	20 04 46				110.96	
			PKP	08 23					
			ipPKP	55					
			i	09 07					
			PP	26					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPPP	11 34					
			SKS/D	15 31					
			eS	16 56					
		SOP K Z	P	20 04 41				110.96	
			PKP	08 34					
			ipPKP	09 12					
			iPP	34					
			PPP	12 05					
			SKS	15 58					
			SP	19 09					
			SS	24 44					
			SSS	28 46					
			eL	54 04					
771.	08 26	SOP MK Z	ePPP	23 12 55				100.95	0.15N 123.06E T0=22 54 44.1 h=140 Mb=5.6
772.	08 27	BUD K N	i	07 01 16					
			i	49					
			i	32 09					
			eL	52 27					
			M	08 20 34	21.8	21.76			
		BUD K Z	i	07 01 16					
			i	32 16					
			i	34 40					
773.	08 27	BUD MK Z	eP	07 26 28				106.89	8.06S 125.30E T0=07 12 22.5 h= 25 Mb=6.4 Ms=6.8
		BUD K2 Z	P	07 26 40				106.89	
		SOP MK Z	iPP	07 31 01				108.52	
			ePPP	33 06					
			i	42					
		SOP K Z	PP	07 30 47				108.52	
			i	31 06					
			PPP	32 51					
			SKS/A	36 16					
			SKS/D	37 03					
			iS	38 10					
			eL	08 23 24					
			M	27 21					
774.	08 27	BUD K N	eL	09 12 39					
			F	10 58 20					
		BUD K Z	eL	09 15 38					
			F	10 01 01					
775.	08 28	SOP MK Z	P	01 51 05				60.80	30.27N 94.90E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipP	09					T0=01 40 57.4 h= 33 Mb=4.9
776.	08 28	BUD K N	eP	09 48 16				12.31	38.13N 8.09E
			sP	33					T0=09 45 16.1
			iPP	42					h= 10
			eL	51 36					M=5.8
			M	54 08	11.6	13.49			CSEM
			F	10 25 16					
		BUD K Z	eP	09 48 16					
			sP	33					
			PPP	44					
			eL	51 08					
			M	54 09	10.2	2.78			
			F	10 24 41					
		BUD MK Z	P	09 48 13				12.31	
			sP	25					
			iPPP	37					
			i	54					
			eS	50 38					
			SS	51 08					
			eSSS	16					
		BUD K2 Z	eP	09 48 35				12.31	
			PP	50					
			eL	51 37					
			M	54 20	10.2	10.32			
			F	10 16 29					
		SOP MK Z	P	09 47 58	1.1	0.04	-	11.38	
			i	48 02					
			isP	10					
			iPP	15					
			iPPP	31					
			SS	50 32					
			SSS	57					
			eL	51 30					
			F	10 07 33					
		SOP K Z	P	09 47 59				11.38	
			sP	48 11					
			SS	50 04					
			SSS	41					
			eL	51 35					
			M	54 07					
			F	10 34 47					
777.	08 28	SOP MK Z	ePKP/F	14 31 32				158.58	29.06S 177.14W
			pPKP/F	42					T0=14 11 30.3
			PKP2/A	32 06					h= 44
			ipPKP/A	14					Mb=5.5
		SOP K Z	PKP/F	14 31 31				158.58	
			PKP2/A	32 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	27					
778.	08 28	SOP MK Z	iP	23 57 28.0			-	35.62	28.03N 54.94E
			pP	31					T0=23 50 36.4
			sP	58 02					h= 64
			ePP	29					M=4.9
									CSEM
779.	08 29	SOP MK Z	iP	14 36 21.6			+	85.91	17.44N 119.86E
			ipP	27					T0=14 23 40.5
			isP	34					h= 12
			i	40					Mb=6.0
		SOP K Z	iP	14 36 22.6			+	85.91	
			ipP	33					
			isP	47					
			i	37 51					
			PP	39 29					
			PPP	41 25					
			PS	47 41					
			SS	52 25					
			SSS	56 05					
			eL	15 14 02					
			F	16 12 55					
780.	08 29	SOP MK Z	iP	21 12 11.4	1.8	0.18	+	80.71	51.56N 173.96W
			pP	21					T0=20 59 59.2
			isP	26					h= 25
									Mb=5.4 Ms=5.1
		SOP K Z	P	21 12 12				80.71	
			pP	26					
			sP	32					
781.	08 30	SOP MK Z	eP	14 47 49			/	11.74	36.55N 21.63E
			ePPP	48 16					T0=14 45 06.0
									h= 39
									M=4.3
									CSEM
		SOP K Z	eP	14 48 00				11.74	
			ePPP	46					
			PcP	54 24					
782.	08 30	SOP MK Z	iP	15 24 40.0	1.2	0.06	+	80.91	51.38N 173.78W
			pP	49					T0=15 12 27.6
			esP	25 00					h= 33
									Mb=5.4
		SOP K Z	P	15 24 40				80.91	
			esP	54					
783.	08 30	SOP MK Z	e	16 16 51					
			i	17 00					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	38					
784.	08 31	BUD K N	eP	00 54 57				88.23	7.33N 76.29W
			sP	55 16					T0=00 42 05.4
			i	26					h= 33
			iS	01 05 41					Mb=5.7 Ms=6.4
			isS	06 05					
			iSP	07 05					
			iSSP	40					
			eL	22 06					
			F	03 09 39					
		BUD K Z	eP	00 54 57					
			pP	55 10					
			ePP	58 27					
			PS	01 06 27					
			eL	19 14					
			F	03 06 36					
		BUD MK Z	P	00 54 55			+	88.23	
			ipP	58					
			sP	55 04					
			i	19					
			PP	58 42					
			ePPP	59 29					
		BUD K2 Z	eP	00 54 55				88.23	
			ipP	55 05					
			esP	19					
			ePP	58 28					
			ePPP	59 37					
			eL	01 32 45					
			F	02 30 24					
		SOP MK Z	P	00 54 47	2.0	0.18	-	86.55	
			ipP	55 00					
			isP	05					
			i	09					
			PP	58 03					
			ePPP	59 48					
		SOP K Z	iP	00 54 47.8	2.3	1.00	-	86.55	
			ipP	54					
			esP	55 43					
			i	56 08					
			ePP	58 11					
			SKS	01 03 08					
			PS	05 10					
			iSP	06 12					
			SPP	54					
			SS	09 06					
			eSSS	12 37					
			eL	27 40					
785.	08 31	SOP MK Z	eP	08 25 02				10.58	37.65N 21.16E
			eSS	27 05					T0=08 22 08.4
			eSSS	25					h= 10
			ePcP	30 44					M=5.0

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									CSEM
		SOP K Z	P	08 25 07				10.58	
			PPP	29					
			SSS	27 52					
			eL	29 11					
			M	35					
			F	48 41					
786.	08 31	SOP MK Z	e	15 56 34					
			i	37					
			i	48					
787.	09 01	SOP MK Z	eP	03 06 18				30.84	73.49N 54.59E
			i	24					T0=02 59 59.4
			pP	31					h= 0
			sP	37					M=6.3
			i	40					EXP. CSEM
			iPP	07 26					
			PPP	46					
			PcP	09 11					
			sS	11 44					
			SSS	13 46					
			ScS	16 44					
		SOP K Z	P	03 06 30				30.84	
			sP	07 03					
			PP	56					
			PPP	08 20					
			PcP	09 28					
			sS	12 11					
			SS	13 51					
			ScS	16 22					
			F	40 47					
788.	09 01	SOP MK Z	eP	17 49 51				86.81	6.86N 76.17W
			sP	50 08					T0=17 37 02.8
									h= 33
									Mb=5.5
789.	09 02	BUD MK Z	P	05 53 53			-	81.76	26.40N 126.40E
			PcP	58					T0=05 41 45.6
			epP	54 18					h= 97
			esP	31					Mb=5.6
		SOP MK Z	iP	05 54 00.9	2.0	0.37	-	83.09	
			i	04					
			ePcP	10					
			pP	28					
		SOP K Z	P	05 54 09				83.09	
			esP	45					
790.	09 02	SOP MK Z	ePP	10 54 26				106.54	11.04S 119.14E
			i	55 04					T0=10 36 28.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPP	56 42					h= 33 Mb=6.0
		SOP K Z	PP	10 54 39				106.54	
			i	55 06					
			iPPP	56 43					
791.	09 02	BUD MK Z	Sg	22 50 50				6.63	47.97N 9.22E
			i	51 00					T0=22 47 13.7 h= 10 M=4.0 CSEM
		SOP MK Z	ePn	22 48 27				4.95	
			e	35					
			P*	43					
			Pg	46					
			Sn	49 28					
			eS*	33					
			Sg	47					
		SOP K Z	ePn	22 48 43				4.95	
			iS*	49 53					
			Sg	50 12					
792.	09 03	BUD MK Z	PKP/F	12 16 02				146.31	15.28S 173.23W
			PKP2/A	06					T0=11 56 18.4 h= 18 Mb=5.4 Ms=5.1
			epPKP/A	15					
		SOP MK Z	ePKP/F	12 16 01				146.68	
			epPKP/F	13					
		SOP K Z	PKP/F	12 16 12				146.68	
			pPKP/F	27					
793.	09 03	SOP MK Z	iP	22 39 48.1	1.0	0.01	-	80.88	39.70N 143.13E
			pP	56					T0=22 27 35.7 h= 30 Mb=4.9
			sP	40 04					
794.	09 04	BUD MK Z	ePKP	09 07 56				136.86	13.68S 166.70E
			i	08 01					T0=08 48 39.2 h= 33 Mb=6.0 Ms=6.5
			ipPKP	10					
			i	44					
		BUD K2 Z	PKP	09 08 01				136.86	
			pPKP	22					
			PP	11 10					
			ePPP	13 38					
			eL	10 04 27					
			F	44 24					
		SOP MK Z	PKP	09 08 00				137.97	
			i	03					
			ipPKP	10					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	11 08					
		SOP K Z	iPKP	09 08 00.9	3.9	1.68		137.97	
			ipPKP	21					
			iPP	10 52					
			ePPP	13 32					
			SKS	14 32					
			sSKS	16 00					
			PPS	23 00					
			eL	58 34					
			M	10 10 37					
795.	09 04	BUD MK Z	i	09 11 41					
			e	12 18					
			e	13 06					
796.	09 04	BUD MK Z	iP	15 53 07.6			-	80.10	51.20N 178.38E
			ipP	10					T0=15 40 57.3
			isP	20					h= 34
			i	37					Mb=5.6 Ms=6.4
			ePP	56 11					
			PPP	57 24					
		BUD K2 Z	iP	15 53 06.6	4.8	5.28	+	80.10	
			isP	25					
			PP	56 07					
			PPP	58 13					
			eL	16 28 14					
			M	40 09	14.4	15.44			
		SOP MK Z	P	15 53 07				80.27	
			ipP	14					
			isP	20					
			i	33					
			PP	56 37					
			PPP	58 28					
		SOP K Z	iP	15 53 07.7	5.0	4.76	+	80.27	
			sP	46					
			iPP	56 00					
			iPPP	58 07					
			iS	16 03 44					
			SPP	05 12					
			SS	09 09					
			eL	22 20					
			M	36 35					
797.	09 04	BUD MK Z	P	16 52 20			+	84.05	33.30N 140.66E
			ipP	24					T0=16 39 48.5
			isP	28					h= 17
			i	45					Mb=5.6
		SOP MK Z	iP	16 52 24.8	1.3	0.16	+	85.09	
			ipP	29					
			isP	37					
			PP	55 44					
		SOP K Z	P	16 52 26				85.09	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pP	34					
798.	09 04	BUD MK Z	eP	17 00 54				80.21	51.07N 178.28E
			PcP	01 02					T0=16 48 44.7
			pP	15					h= 37
			sP	20					Mb=5.1
799.	09 04	BUD MK Z	P	17 22 41			+	80.19	51.09N 178.26E
			ipP	49					T0=17 10 30.6
			isP	23 00					h= 31
			i	16					Mb=5.5 Ms=6.4
			iPP	25 39					
			ePPP	26 46					
		BUD K2 Z	iP	17 22 40.6	3.6	4.39	+	80.19	
			sP	54					
			ePP	25 17					
		SOP MK Z	iP	17 22 40.8				80.36	
			iPcP	44					
			ipP	49					
			isP	51					
			i	23 02					
			iPP	25 52					
			PPP	27 52					
		SOP K Z	iP	17 22 41.6	5.0	3.07	+	80.36	
			isP	58					
			i	24 14					
			iPP	26 08					
			ePPP	27 04					
800.	09 04	BUD MK Z	iP	17 28 24.6				80.05	51.26N 178.40E
			pP	30					T0=17 16 15.5
			esP	36					h= 33
									Mb=5.5
		BUD K2 Z	eP	17 28 32				80.05	
801.	09 04	BUD MK Z	P	17 36 56			+	80.09	51.14N 177.95E
			ipP	37 02					T0=17 24 42.8
			isP	07					h= 8
			i	19					Mb=5.8 Ms=6.6
			iPP	40 03					
			PPP	41 01					
		BUD K2 Z	P	17 36 57	4.0	6.79	+	80.09	
			isP	37 20					
			i	41					
			iPP	40 03					
			iPPP	42 15					
		SOP MK Z	iP	17 36 55.7			+	80.27	
			ipP	37 03					
			isP	25					
			i	48					
			ePP	40 43					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPP	42 03					
		SOP K Z	iP	17 36 55.6	2.0	2.53	+	80.27	
			ipP	37 08					
			sP	22					
			i	54					
			PP	40 04					
802.	09 04	BUD MK Z	iP	17 50 32.5	1.1	0.03	-	79.99	51.22N 177.78E
			pP	39					T0=17 38 24.8
			sP	55					h= 45
									Mb=5.3
		BUD K2 Z	eP	17 50 33				79.99	
			esP	44					
		SOP MK Z	P	17 50 33				80.16	
			pP	39					
			isP	53					
803.	09 04	SOP MK Z	eP	18 12 20				80.32	51.12N 178.25E
			ePcP	33					T0=18 00 11.9
									h= 50
									Mb=4.9
804.	09 04	BUD MK Z	iP	18 37 57.5			-	80.02	51.19N 177.78E
			isP	38 11					T0=18 25 49.8
									h= 41
									Mb=5.3
		SOP MK Z	iP	18 37 58.6	1.1	0.05	+	80.19	
			pP	38 02					
			isP	09					
805.	09 04	BUD MK Z	P	18 50 33				80.13	51.15N 178.25E
			esP	47					T0=18 38 23.6
									h= 35
									Mb=5.0
		SOP MK Z	P	18 50 33				80.29	
			sP	45					
806.	09 04	BUD MK Z	eP	19 35 10				80.03	51.16N 177.65E
			pP	17					T0=19 23 00.5
			sP	33					h= 35
									Mb=5.0 Ms=4.7
		BUD K2 Z	eP	19 35 09				80.03	
			esP	19					
		SOP MK Z	P	19 35 10				80.28	
			ipP	13					
			isP	25					
807.	09 04	BUD MK Z	P	23 32 52	1.3	0.06	+	80.11	51.17N 178.24E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipP	59					T0=23 20 44.9
			isP	33 07					h= 41
									Mb=5.5 Ms=5.3
		BUD K2 Z	P	23 32 53			+	80.11	
			sP	33 07					
		SOP MK Z	iP	23 32 53.6				80.28	
			ipP	59					
			isP	33 08					
			ePP	35 49					
808.	09 05	SOP MK Z	P	01 10 23				80.35	51.03N 177.80E
			epP	36					T0=00 58 10.9
			esP	50					h= 26
									Mb=5.0
809.	09 05	BUD MK Z	P	03 10 25	1.0	0.02	+	38.65	50.09N 78.96E
			pP	35					T0=03 02 57.8
			sP	40					h= 0
			iPP	12 06					Mb=5.9
			iPPP	22					EXP.
			ePcP	39					
		SOP MK Z	iP	03 10 36.5	1.0	0.16	+	40.04	
			i	39					
			ipP	44					
			isP	59					
			PP	12 10					
			PcP	40					
			iPPP	13 04					
		SOP K Z	iP	03 10 37.5				40.04	
			ipP	47					
			isP	11 09					
810.	09 09	SOP MK Z	iP	02 45 38.6	1.0	0.05	-	72.97	42.98N 131.35E
			i	42					T0=02 34 59.5
			iPcP	51					h=499
									Mb=4.9
		SOP K Z	eP	02 45 40				72.97	
811.	09 10	SOP MK Z	iP	00 59 42.7	1.0	0.03	+	14.97	34.55N 26.10E
			esP	57					T0=00 56 11.2
			ePPP	01 00 06					h= 54
									M=4.6
									CSEM
812.	09 10	SOP K Z	epPKP/A	05 27 31				150.71	59.63S 150.28E
									T0=05 07 29.7
									h= 33
									Mb=5.4 Ms=5.1

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
813.	09 10	BUD K N	eP	06 34 46				13.01	34.81N 23.03E
			PP	35 09					T0=06 31 42.8
			i	28					h= 25
			F	07 11 50					M=5.1
									CSEM
		BUD K E	PPP	06 35 23					
			i	39					
			F	07 09 47					
		BUD MK Z	eP	06 34 41				13.01	
			sP	54					
			ePP	35 05					
			PPP	09					
			i	16					
		BUD K2 Z	P	06 35 05				13.01	
			ePPP	30					
		SOP MK Z	P	06 35 05				13.74	
			sP	10					
			PPP	30					
			i	41					
			S	37 43					
		SOP K Z	P	06 34 56				13.74	
			ePP	35 40					
			S	37 38					
			SSS	38 46					
			i	39 30					
814.	09 10	SOP MK Z	e	13 55 04					
			e	22					
			e	34					
815.	09 11	SOP MK Z	PKP/F	05 27 19				150.71	59.63S 150.28E
			ipPKP/F	27					T0=05 07 29.7
			iPKP2/A	35					h= 33
			pPKP/A	46					Mb=5.4 Ms=5.1
816.	09 11	BUD K N	ePKP/F	14 27 53				146.41	15.38S 173.21W
			pPKP/A	28 14					T0=14 08 04.6
			eL	15 34 16					h= 33
			F	56 40					Mb=5.4 Ms=5.6
		BUD K E	pPKP/F	14 28 10					
			i	35					
			eL	15 33 51					
			F	50 39					
		BUD MK Z	ePKP/F	14 27 46				146.41	
			pPKP/F	55					
			pPKP/A	28 07					
		BUD K2 Z	PKP/F	14 27 47				146.41	
			ePKP2/A	52					
			pPKP/A	28 09					
		SOP MK Z	PKP/F	14 27 45				146.78	
			iPKP2/A	53					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	28 04					
		SOP K Z	PKP/F	14 27 47			+	146.78	
			pPKP/F	57					
			ipPKP/A	28 11					
817.	09 11	SOP MK Z	PKP/F	14 32 09				146.78	15.39S 173.29W
			PKP2/A	20					T0=14 12 29.9
			ipPKP/F	24					h= 33
			pPKP/A	33					Mb=5.3
		SOP K Z	PKP/F	14 32 10				146.78	
818.	09 11	BUD K N	P	23 22 23				12.93	34.89N 23.02E
			iPP	39					T0=23 19 23.5
			i	50					h= 21
			iS	24 47					M=6.6
			L	25 05					CSEM
			M	28 36	13.4	47.82			
			F	00 58 38					
		BUD K E	isP	23 22 32					
			iPP	39					
			i	50					
			iS	24 47					
			L	25 14					
			F	01 04 22					
		BUD K2 Z	P	23 22 24			-	12.93	
			isP	38					
			iPPP	50					
			i	23 14					
			S	24 32					
			eL	53					
			M	29 19	21.2	278.57			
			F	00 33 07					
		SOP MK Z	P	23 22 32				13.66	
			i	38					
			isP	45					
			iPPP	23 10					
			SS	25 35					
			SSS	57					
			PcP	27 38					
			M	30 28					
			F	48 53					
		SOP K Z	P	23 22 33				13.66	
			isP	39					
			iPPP	23 11					
			i	24 47					
			S	25 04					
			iSSS	55					
			eL	27 49					
			M	28 43					
			F	40 51					
819.	09 11	SOP MK Z	P	23 35 07				13.66	34.94N 23.19E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	12					T0=23 31 50.1
			PPP	29					h= 63
									M=4.3
									CSEM
820.	09 12	SOP MK Z	P	00 07 01				13.63	34.96N 23.14E
			PP	20					T0=00 03 46.5
									h= 91
									M=4.6
									CSEM
821.	09 12	BUD K N	ePP	03 01 18				12.95	34.91N 23.23E
			PPP	28					T0=02 57 57.5
			eS	03 20					h= 45
			eSSS	04 29					M=5.2
			eL	06 05					CSEM
			F	16 42					
		BUD K E	PPP	03 01 28					
			eS	03 20					
			eSSS	04 29					
			eL	05 19					
			F	17 45					
		BUD K2 Z	ePcP	03 06 48				12.95	
			eL	07 07					
			F	14 15					
		SOP MK Z	eP	03 01 12				13.70	
			i	17					
			sP	26					
			PPP	45					
		SOP K Z	eP	03 01 12				13.70	
			ePP	34					
			SS	04 26					
			PcP	06 29					
822.	09 12	BUD K N	eP	14 28 44				67.11	12.78S 14.69W
			epP	54					T0=14 18 06.6
			iPcP	29 13					h= 21
			PP	31 20					Mb=5.3 Ms=5.3
			PPP	32 28					
			eL	53 17					
			F	15 06 31					
		BUD K E	epP	14 28 54					
			sP	29 07					
			PP	31 20					
			PPP	32 28					
			PS	38 10					
			iSS	41 28					
			eL	52 48					
			F	15 09 25					
		BUD MK Z	epP	14 29 03				67.11	
			isP	08					
			iPcP	25					
			ePP	31 02					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 Z	P	14 29 01				67.11	
			pP	08					
			esP	21					
			ePcP	36					
		SOP MK Z	P	14 28 55				66.32	
			ePcP	29 25					
		SOP K Z	P	14 28 55				66.32	
			ipP	29 03					
			PcP	28					
			PP	31 11					
			PPP	32 55					
823.	09 12	SOP MK Z	P	22 23 37				13.18	43.08N 1.02W
			sP	48					T0=22 20 29.0
									h= 10
									M=4.5
									CSEM
824.	09 12	BUD K N	eP	23 28 36				76.14	41.83N 138.41E
			esP	57					T0=23 16 50.7
			ePP	31 31					h= 32
			eL	00 05 08					Mb=5.2 Ms=5.1
			M	08 22	10.0	0.50			
			F	19 27					
		BUD K E	eL	00 03 39					
			M	06 21	11.8	0.74			
			F	19 36					
		BUD MK Z	P	23 28 37			-	76.14	
			pP	43					
			PcP	56					
			esP	29 16					
		SOP MK Z	iP	23 28 42.8	1.0	0.05	+	77.09	
			iPcP	53					
		SOP K Z	eP	23 28 43				77.09	
			ePcP	53					
825.	09 13	SOP MK Z	P	00 23 12				36.86	27.67N 56.49E
			epP	15					T0=00 16 07.4
			sP	25					h= 57
			i	35					Mb=4.7
826.	09 13	BUD K N	PKP/F	00 41 33				146.46	15.45S 173.28W
			iPKP2/A	39					T0=00 21 52.6
			ipPKP/F	48					h= 33
			i	42 02					Mb=5.7 Ms=6.0
			eL	01 40 56					
			F	02 36 38					
		BUD K E	PKP/F	00 41 33					
			pPKP/A	50					
			PP	45 17					
			eL	01 43 14					
			F	02 44 12					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD MK Z	PKP/F	00 41 31	2.0	0.25	-	146.46	
			ipPKP/F	43					
			pPKP/A	58					
			i	42 05					
			ePP	44 22					
		BUD K2 Z	iPKP/F	00 41 34.3	5.6	3.34	-	146.46	
			ipPKP/F	45					
			ipPKP/A	49					
			PP	45 29					
			eL	52 42					
			F	02 02 43					
		SOP MK Z	PKP/F	00 41 32				146.84	
			iPKP2/A	34					
			ipPKP/F	40					
			i	43					
			ipPKP/A	48					
			PP	45 26					
		SOP K Z	PKP/F	00 41 32				146.84	
			ipPKP/F	43					
			i	42 01					
			PP	45 13					
			ePPP	48 23					
			eL	01 46 23					
			F	02 35 35					
827.	09 13	SOP MK Z	PKP/F	04 19 25				146.93	15.67S 173.87W
			epPKP/F	36					T0=03 59 40.9
			epPKP/A	50					h= 33
828.	09 13	BUD K N	eL	13 12 35				12.98	34.86N 23.12E
			F	21 54					T0=13 04 12.3
									h= 42
									M=5.0
									CSEM
		BUD K E	eSS	13 10 10					
			eL	11 57					
			M	12 37	8.8	0.52			
			F	21 54					
829.	09 14	BUD K N	e	08 52 36					
			i	53 12					
			i	19					
			i	54					
		BUD K E	i	08 53 12					
			eL	18					
			F	57 26					
		BUD MK Z	i	08 51 57			-		
			i	52 06					
			i	30					
830.	09 14	BUD MK Z	e	12 14 29					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	42					
			i	50					
831.	09 14	SOP MK Z	ePn	13 39 06				2.63	46.34N 13.25E
			P*	11					T0=13 38 19.1
			Pg	20					h= 10
			eSn	35					M=3.4
			S*	47					CSEM
			Sg	55					
		SOP K Z	Pn	13 39 09				2.63	
			S*	44					
			Sg	40 01					
832.	09 14	SOP MK Z	eP	18 52 18				13.70	34.86N 23.05E
			isP	29					T0=18 49 09.1
			iPP	34					h= 34
			iPPP	44					M=5.4
									CSEM
		SOP K Z	P	18 52 30				13.70	
			PP	37					
833.	09 15	SOP MK Z	P	15 56 53				13.63	34.89N 22.91E
			isP	57 00					T0=15 53 41.8
			ePP	06					h= 3.7
			PPP	23					M=4.9
									CSEM
834.	09 16	BUD K N	iP*	23 49 23				4.28	46.24N 13.05E
			i	29					T0=23 48 09.4
			L	52					h= 10
			M	50 07	7.6	34.61			M=6.1
			F	00 30 40					CSEM
		BUD K E	Pn	23 49 13	4.6		-		
			iP*	23					
			iPg	31					
			i	34					
			L	50					
			F	00 35 46					
		BUD K Z	i	23 49 29					
			L	53					
			M	50 08	7.6	12.69			
			F	00 12 48					
		BUD MK Z	Pn	23 49 14				4.28	
			iP*	21					
			iPg	34					
			i	51					
			iSn	50 06					
			iS*	12					
			iSg	34					
		BUD K2 Z	Pn	23 49 28				4.28	
			P*	36					
			iPg	50					
			Sn	50 16					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			L	24					
			M	51 06	3.8	46.11			
			F	00 07 43					
		BUD UT Z	Pn	23 49 14				4.28	
			Pg	29					
			eSn	47					
			eL	50 09					
			M	51 02	9.4	29.1			
			F	00 12 44					
		SOP MK Z	iPn	23 48 54.3			+	2.00	
		SOP K Z	iPn	23 48 54.3			+	2.00	
			iPg	49 01					
			i	20					
			iSn	26					
			F	01 02 32					
835.	09 17	SOP MK Z	ePn	00 31 56				2.81	46.24N 13.03E
			ePg	32 06					T0=00 31 11.7
			Sn	28					h= 10
			Sg	42					M=3.1
									CSEM
836.	09 17	BUD K N	isSKS/A	05 48 07				102.90	11.77N 143.12E
			eL	06 16 54					T0=05 23 30.2
			F	07 23 20					h= 33
									Mb=6.0 Ms=6.1
		BUD K E	eP	05 37 09					
			iPP	41 43					
			iPPP	43 44					
			SKS/A	47 31					
			isSKS/A	48 07					
			SP	51 05					
			iSPP	52 10					
			eL	06 17 44					
			F	07 24 28					
		BUD UT Z	eP	05 37 28				102.90	
			PP	41 45					
			PS	50 43					
			PPS	51 40					
			eL	06 14 29					
			F	07 49 48					
		SOP MK Z	ePP	05 41 21				104.16	
			PPP	43 06					
		SOP K Z	ePP	05 41 35				104.16	
			i	54					
			PPP	43 28					
			eSKS/D	48 28					
			ePS	50 32					
			SPP	51 54					
			SSP	56 40					
			eL	06 18 00					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
837.	09 17	SOP MK Z	P	10 59 34				86.91	30.83N 140.21E
			pP	55					T0=10 47 21.5
									h=173
									Mb=4.8
838.	09 17	BUD K N	e	23 18 24				4.34	46.28N 12.94E
			e	19 47					T0=23 16 52.5
			e	20 38					h= 1
									M=4.1
									CSEM
		BUD K E	ePg	23 18 21					
			iSn	43					
			Sg	19 16					
			i	41					
		BUD K Z	eS$	23 19 07					
		BUD MK Z	ePg	23 18 20				4.34	
			eSn	52					
			eSg	19 30					
		SOP MK Z	ePn	23 17 37				2.84	
			P$	44					
			Pg	50					
			iSn	18 11					
			iS$	22					
			Sg	26					
			i	19 00					
		SOP K Z	Pn	23 17 56				2.84	
			Pg	18 08					
			Sn	24					
			iSg	52					
839.	09 18	SOP MK Z	ePn	07 03 05				2.84	46.30N 12.93E
			ePg	17					T0=07 02 20.0
			iS$	43					h= 0
			Sg	52					M=3.6
			i	59					CSEM
		SOP K Z	ePn	07 03 12				2.84	
			S$	52					
			eSg	04 28					
840.	09 18	SOP MK Z	ePn	09 59 16				2.82	46.16N 13.09E
			P$	22					T0=09 58 19.5
			ePg	36					h= 10
			Sg	10 00 03					M=3.0
									CSEM
841.	09 19	SOP MK Z	P$	00 01 32				4.93	48.00N 9.24E
			iPg	38					T0=00 00 00.2
									h= 33
842.	09 19	SOP MK Z	iP	00 29 34.1			+	32.42	29.55N 51.55E

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pP	38					T0=00 23 08.5
			isP	47					h= 53
			ePP	30 15					M=5.0
									CSEM
		SOP K Z	P	00 29 34				32.42	
			pP	40					
843.	09 19	SOP MK Z	ePP	05 31 38				104.88	1.98S 126.62E
			ePPP	33 45					T0=05 13 09.2
									h= 33
									Mb=5.9
		SOP K Z	PP	05 31 34				104.88	
			i	32 17					
			PPP	33 52					
			SP	40 45					
844.	09 19	SOP MK Z	epPKP	13 09 23				139.72	15.03S 167.91E
									T0=12 49 15.5
									h= 33
									Mb=5.6
		SOP K Z	pPKP	13 09 24				139.72	
			i	33					
			ePP	11 19					
845.	09 20	BUD K N	P*	20 23 01				4.37	43.11N 18.74E
			ePg	17					T0=20 21 39.2
			Sg	24 08					h= 10
									M=4.6
									CSEM
		BUD K E	eL	20 24 05					
			M	27	9.4	0.78			
			F	27 31					
		SOP MK Z	ePn	20 22 53				4.82	
			eP*	23 03					
			ePg	37					
			Sn	52					
			Sg	24 20					
		SOP K Z	ePn	20 22 38				4.82	
			eSn	23 26					
846.	09 20	BUD K E	Pg	20 29 42				4.30	43.18N 18.76E
			Sn	30 13					T0=20 28 17.7
			S*	21					h= 10
									M=4.9
									CSEM
		BUD MK Z	Pn	20 29 22				4.30	
			P*	31					
			iPg	36					
			i	45					
			Sn	30 04					
			S*	13					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			Sg	41					
847.	09 21	SOP MK Z	ePKP/F	09 48 04				156.56	26.41S 176.06W
			pPKP/F	16					T0=09 27 49.5
			iPKP2/A	24					h= 33
			epPKP/A	49 03					Mb=5.7
		SOP K Z	ePKP/F	09 48 02				156.56	
			pPKP/F	16					
			ipPKP/A	35					
848.	09 21	SOP MK Z	P	17 51 05				73.02	55.73N 162.31E
			pP	17					T0=17 39 38.8
									h= 48
									Mb=5.1
		SOP K Z	eP	17 51 08				73.02	
			sP	22					
			ePcP	40					
849.	09 21	BUD K N	P	21 12 58				74.25	51.75N 155.20E
			i	13 17					T0=21 01 44.0
			SP	23 17					h=231
			iPS	53					Mb=5.6
			eL	34 28					
			F	22 19 30					
		BUD K E	P	21 12 58					
			PcP	13 15					
			i	14 21					
			iPP	16 35					
			iPPP	18 48					
			iS	22 17					
			eL	34 12					
			F	22 26 16					
		BUD K Z	P	21 12 58					
			ipP	13 57					
			sP	14 17					
			eL	33 34					
			F	22 29 18					
		BUD MK Z	iP	21 12 57.4	1.0	0.02	-	74.25	
			i	13 01					
			iPcP	09					
			ipP	55					
			esP	14 07					
			PP	16 30					
		BUD UT Z	eP	21 12 55				74.25	
			pP	13 58					
			isP	14 19					
			SP	24 10					
			eL	32 21					
			F	22 28 51					
		SOP MK Z	p	21 12 58				74.80	
			i	13 01					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iPcP	08					
			pP	44					
			sP	14 21					
		SOP K Z	iP	21 13 01.1			-	74.80	
			iPcP	10					
			ipP	14 00					
			isP	30					
			PP	16 23					
			PPP	18 48					
			S	21 50					
			ScS	22 52					
			sS	23 35					
			SPP	24 36					
			SS	27 52					
			eL	32 40					
850.	09 23	BUD K N	i	02 59 39				6.02	41.51N 20.16E
			iPg	03 00 03					T0=02 58 01.3
			iSn	37					h= 8
			i	45					M=5.5
			eL	01 18					CSEM
			M	02 13	6.2	3.35			
			F	19 43					
		BUD K E	i	02 59 41					
			i	03 00 51					
			eL	01 19					
			M	02 19	9.6	2.46			
			F	19 49					
		BUD K Z	Pn	02 59 31					
			iP$	47					
			i	03 00 08					
			i	51					
			eL	01 07					
			M	02 14	8.4	2.62			
			F	17 51					
		BUD MK Z	Pn	02 59 31				6.02	
			i	34					
			iPg	54					
			i	03 00 12					
			iSn	40					
			i	51					
			S$	01 05					
			iSg	18					
		BUD UT Z	e	03 01 11				6.02	
			Sg	19					
			eL	41					
			M	02 08	12.6	1.84			
			F	10 50					
		SOP MK Z	Pn	02 59 41				6.68	
			i	52					
			iP$	03 00 08					
			Pg	19					
			i	27					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	48					
			iSn	01 01					
			e	24					
			Sg	46					
		SOP K Z	Pn	02 59 42				6.68	
			e	56					
			iPg	03 00 24					
			i	49					
			e	01 00					
			L	00					
			M	02 42					
			F	17 40					
851.	09 23	BUD K E	PP	06 16 16				104.36	11.20S 118.21E
			ePPP	18 41					T0=05 57 55.6
									h= 33
									Mb=6.0 Ms=5.4
		BUD K Z	PP	06 16 16					
		BUD MK Z	PP	06 16 16			-	104.36	
		SOP MK Z	PP	06 16 12				106.03	
		SOP K Z	iPP	06 16 29.6			-	106.03	
852.	09 24	BUD K N	ePcP	20 51 33				12.78	35.06N 23.13E
			eL	52 19					T0=20 43 10.6
			F	58 37					h= 56
									M=4.8
									CSEM
		SOP MK Z	P	20 46 23				13.53	
			isP	36					
			PPP	47					
853.	09 25	SOP MK Z	iP	03 15 43.2	1.0	0.05	-	13.66	34.93N 23.14E
			isP	50					T0=03 12 26.1
			PP	59					h= 54
			PPP	16 16					M=4.9
									CSEM
854.	09 25	BUD K N	e	08 25 57					
			e	26 06					
			i	47					
			eL	27 28					
			F	33 41					
		BUD K E	e	08 25 57					
			i	26 30					
			i	47					
			eL	27 28					
			F	33 43					
		BUD K Z	e	08 25 57					
			i	26 51					
			eL	27 09					
			F	32 49					
		BUD MK Z	e	08 25 55					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	26 01					
			i	37					
		SOP MK Z	e	08 26 22					
			i	30					
			i	55					
855.	09 25	SOP MK Z	ePP	18 50 13				105.44	11.29S 117.24E T0=18 31 39.1 h= 33 Mb=5.6 Ms=4.9
856.	09 26	BUD K N	pPKP/A	05 17 08				149.47	60.03S 150.58E T0=04 56 57.1 h= 33 Mb=5.3 Ms=5.7
			eL	06 19 41					
		BUD K E	PKP2/A	05 16 53					
			PP	20 30					
			eL	06 20 22					
		BUD K Z	ePKP/F	05 16 47					
			eL	06 17 16					
		SOP MK Z	ePKP/F	05 16 44				150.84	
			ePKP2/A	53					
			epPKP/A	17 13					
		SOP K Z	PKP/F	05 16 56				150.84	
			pPKP/A	17 20					
			PP	20 37					
			PPP	24 45					
857.	09 28	BUD K N	S$	01 45 21				4.26	46.24N 13.07E T0=01 43 16.2 h= 10 M=4.2 CSEM
			eL	52					
			M	46 12	5.8	0.48			
			F	48 44					
		BUD K E	ePg	01 44 37					
			Sn	45 10					
			S$	21					
			eL	38					
			M	46 12	6.4	0.57			
			F	48 54					
		BUD K Z	Sg	01 45 42					
			eL	54					
			M	46 10	9.4	0.66			
			F	48 32					
		BUD MK Z	Pg	01 44 38				4.26	
			eSn	45 06					
			S$	25					
			Sg	33					
		BUD K2 Z	eSn	01 45 06				4.26	
			Sg	43					
			eL	46 04					
			F	48 30					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD UT Z	eSg	01 45 52				4.26	
			eL	46 04					
			F	48					
		SOP K Z	ePn	01 44 98				2.79	
			Pg	18					
			iS$	46					
			Sg	45 07					
858.	09 28	BUD K N	e	20 08 50					
			e	09 07					
			e	20					
		BUD K E	e	20 08 49					
			e	57					
			eL	09 10					
			F	11 56					
859.	09 30	SOP MK Z	iP	07 04 45.4	1.2	0.07	-	21.16	47.80N 48.14E
			isP	05 00					T0=06 59 55.6
			PP	12					h= 0
									Mb=5.1
									EXP.
		SOP K Z	P	07 04 45				21.16	
			esP	57					
860.	09 30	SOP MK Z	ePn	16 44 06				9.94	38.75N 10.56E
			ePP	13					T0=16 41 45.1
			PPP	19					h= 10
			P$	35					
									CSEM
861.	09 30	SOP MK Z	P	19 24 52				41.19	39.38N 73.38E
			pP	25 01					T0=19 17 00.0
			esP	16					h= 19
			ePP	26 39					Mb=5.0
		SOP K Z	P	19 24 54				41.19	
			esP	25 13					
862.	09 30	BUD K N	ePKP2/A	21 42 41				147.12	16.04S 172.92W
			pPKP/A	55					T0=21 22 57.5
									h= 33
									Mb=5.4 Ms=5.5
		BUD K E	epPKP/F	21 42 48					
		BUD K Z	PKP/F	21 42 39	8.0		+		
			pPKP/A	55					
			PP	45 42					
		BUD MK Z	ePKP/F	21 42 34				147.12	
			ePKP2/A	48					
			epPKP/A	53					
		BUD K2 Z	PKP/F	21 42 39				147.12	
			pPKP/F	53					
			ePP	46 24					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD UT Z	PKP/F	21 42 38			-	147.12	
			ePP	46 04					
			eL	22 41 28					
			F	23 02 38					
		SOP MK Z	PKP/F	21 42 38	1.9	0.15		147.48	
			iPKP2/A	45					
			epPKP/A	52					
			i	43 03					
		SOP K Z	iPKP/F	21 42 41.3	3.4	1.63	+	147.48	
			ipPKP/F	53					
			PP	46 14					
863.	10 02	SOP MK Z	eP	13 15 59				91.40	11.57N 121.56E
			sP	16 14					T0=13 02 57.2
			PPP	19 39					h= 33
									Mb=5.4
		SOP K Z	P	13 16 10				91.40	
			PP	20 00					
			ePPP	21 29					
			eL	59 48					
			F	14 33 20					
864.	10 03	SOP MK Z	e	15 11 35					
			e	37					
			e	51					
865.	10 03	SOP MK Z	P	22 57 25	1.0	0.03	-	84.36	0.48N 98.73E
			epP	30					T0=22 44 52.3
			esP	37					h= 13
									Mb=5.5
866.	10 04	SOP MK Z	eP	15 51 14				82.14	36.54N 140.06E
			pP	28					T0=15 38 56.0
			sP	40					h= 33
									Mb=5.3
		SOP K Z	eP	15 51 18				82.14	
			esP	36					
867.	10 05	BUD MK Z	P	05 37 48				12.21	41.04N 33.51E
			sP	56					T0=05 34 46.0
			PP	38 06					h= 10
			PPP	24					M=6.2
			i	32					CSEM
			S	39 56					
			iSS	40 30					
			eSSS	41 13					
			ePcP	42 39					
		BUD K2 Z	P	05 37 42				12.21	
			sP	52					
			ePP	38 02					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PPP	14					
			i	46					
			iS	40 09					
			iSS	26					
			iSSS	55					
			L	42 28					
			M	44 32	11.6	42.50			
			F	06 20 31					
		BUD UT Z	P	05 37 41				12.21	
			PP	55					
			SS	40 22					
			SSS	34					
			L	41 30					
			M	44 11	15.6	22.29			
			F	06 41 43					
		SOP MK Z	eP	05 37 57				13.81	
			sP	38 04					
			iPP	13					
			iPPP	22					
			eSS	40 48					
			SSS	41 19					
			PcP	43 40					
			eL	44 35					
			M	46 32					
			F	06 17 25					
		SOP K Z	P	05 37 57				13.81	
			isP	38 05					
			iPPP	22					
			i	47					
			S	40 41					
			SSS	41 33					
			L	42 59					
			M	46 36					
868.	10 05	BUD K N	PKP/F	14 34 07				148.08	18.58S 177.71W
			PKP2/A	14					T0=14 15 24.3
									h=573
									Mb=5.6
		BUD K E	PKP/F	14 34 07					
			epPKP/F	36 20					
		BUD K Z	PKP/F	14 34 07					
		BUD MK Z	iPKP/F	14 34 06.7	0.8	0.01	-	148.08	
			iPKP2/A	12					
			epPKP/F	35 55					
		BUD K2 Z	PKP2/A	14 34 07				148.08	
		BUD UT Z	ePKP2/A	14 34 06				148.08	
		SOP MK Z	PKP/F	14 34 02				148.71	
			iPKP2/A	17					
			i	24					
			pPKP/F	36 14					
		SOP K Z	PKP/F	14 34 02				148.71	
			iPKP2/A	15					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/A	36 27					
			sPKP/A	37 29					
869.	10 06	BUD K N	e	11 35 32					
			i	45					
			e	36 05					
		BUD K E	e	11 35 28					
			i	45					
			i	36 09					
870.	10 07	BUD K N	e	12 47 05				8.38	39.19N 20.78E
			Sg	36					T0=12 42 58.4
									h= 44
									M=4.4
									CSEM
		BUD K E	Sn	12 46 40					
			i	53					
			S$	47 18					
		BUD K2 Z	eSg	12 47 38				8.38	
871.	10 08	BUD K N	pP	21 20 24				90.44	13.32N 124.48E
			esP	39					T0=21 06 52.8
			PPP	25 51					h= 32
			sS	31 12					Mb=5.4 Ms=5.5
			SSP	33 09					
			eL	56 09					
			M	22 00 23	19.6	2.49			
			F	35 42					
		BUD K E	eP	21 20 00					
			pP	24					
			PP	23 40					
			i	28 29					
			SKS	30 18					
			iS	50					
			sS	31 12					
			eL	57 48					
			F	22 38 05					
		BUD K Z	P	21 20 00					
		BUD K2 Z	P	21 20 06				90.44	
			ePP	24 09					
			eL	22 03 10					
			F	30 23					
		SOP MK Z	P	21 19 58				91.92	
			sP	20 24					
			pP	23 49					
		SOP K Z	P	21 19 56				91.92	
872.	10 09	SOP MK Z	P	04 10 33			-	74.45	54.85N 165.10E
			epP	41					T0=04 06 51.2
			esP	53					h= 33
									Mb=4.7

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
873.	10 10	BUD K N	ipPKP/F	12 13 55				155.58	25.85S 175.40W
			iPKP2/A	14 07					T0=11 53 53.6
			ipPKP/A	20					h= 33
									Mb=6.6 Ms=7.2
		BUD K E	i	12 13 47					
			iPKP2/A	14 07					
		BUD K Z	PKP/F	12 13 44					
			i	14 12					
			iS	17 50					
			iSKS/F	20 19					
			eL	28 54					
			M	13 36 49	16.6	9.70			
			F	15 21 56					
		BUD MK Z	PKP/F	12 13 46			-	155.58	
			ipPKP/F	54					
			iPKP2/A	14 03					
			ipPKP/A	22					
			i	41					
			PP	17 56					
		BUD K2 Z	iPKP/F	12 13 46.8				155.58	
			iPKP2/A	14 13					
			ipPKP/A	37					
			i	15 06					
			iPP	17 51					
			eL	13 15 16					
			M	36 50	17.4	79.49			
			F	15 04 31					
		BUD UT Z	iPKP/F	12 13 48.8			-	155.58	
			ipPKP/A	14 31					
			i	46					
			F	16 54 41					
		SOP MK Z	PKP/F	12 13 46			+	156.25	
			ipPKP/F	53					
			i	59					
			iPKP2/A	14 17					
			ipPKP/A	35					
			iPP	17 52					
			esSKS/F	21 23					
			ePPP	59					
		SOP K Z	iPKP/F	12 13 45.6			-	156.25	
			iPKP2/A	14 15					
			ipPKP/A	53					
			iPP	17 53					
			sSKS/F	21 02					
			iPPP	22 01					
			PPP	26 42					
			eSS	36 53					
			M	13 49 55					
			F	15 58 48					
874.	10 10	SOP MK Z	e	15 06 46					
			e	55					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	07 20					
875.	10 13	BUD MK Z	ePKP/F	00 59 03				145.86	54.51S 144.72E
			ePKP2/A	10					T0=00 39 36.3
			pPKP/F	18					h= 33
			pPKP/A	21					Mb=5.3 Ms=5.7
			i	31					
		SOP MK Z	PKP/F	00 59 16				147.38	
			PKP2/A	25					
			pPKP/A	40					
876.	10 13	SOP MK Z	iPKP/F	01 04 34.8	1.2	0.05	+	148.10	18.16S 178.40W
			PKP2/A	44					T0=00 45 56.0
									h=596
									Mb=5.1
		SOP K Z	ePKP/F	01 04 18				148.10	
			PKP2/A	36					
877.	10 13	SOP MK Z	iP	11 42 55.5	1.2	0.05	+	64.29	23.48N 93.35E
			epP	43 07					T0=11 32 39.3
			ePcP	30					h= 61
									Mb=5.2
		SOP K Z	P	11 42 56			+	64.29	
			esP	43 15					
			ePcP	43					
878.	10 13	SOP MK Z	e	15 08 46					
			e	56					
			i	09 07					
879.	10 13	SOP MK Z	P	21 30 33				74.47	9.45N 93.79E
			pP	41					T0=21 18 56.9
			sP	54					h= 33
									Mb=5.1
880.	10 14	BUD K N	iPKP2/A	05 15 17				146.78	15.72S 173.84W
			ipPKP/F	25					T0=04 55 34.8
			ipPKP/A	36					h= 33
			iPP	18 47					Mb=5.9 Ms=5.7
		BUD K E	PKP/F	05 15 13					
			i	45					
			eL	06 18 16					
			F	34 36					
		BUD K Z	PKP/F	05 15 13	6.2	1.26			
			i	45					
		BUD MK Z	PKP/F	05 15 13	1.4	0.07	+	146.78	
			PKP2/A	21					
			ipPKP/F	25					
			ipPKP/A	31					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	47					
			ePP	18 05					
		BUD K2 Z	ePKP/F	05 15 13	3.8	2.43	-	146.78	
			ePKP2/A	21					
			ipPKP/A	39					
			ePP	18 47					
		BUD UT Z	PKP/F	05 15 25	6.8	1.55	-	146.78	
			epPKP/A	44					
			ePPP	21 23					
			eL	06 12 35					
			F	46 45					
		SOP MK Z	iPKP/F	05 15 13.3			-	147.15	
			ipPKP/F	25					
			ipPKP/A	36					
			i	45					
			ePP	18 22					
		SOP K Z	PKP/F	05 15 18				147.15	
			ipPKP/A	36					
			i	16 09					
			PP	18 41					
881.	10 14	SOP MK Z	ePn	20 12 39				2.81	46.23N 13.04E
			ePg	46					T0=20 11 56.4
			eSn	58					h= 10
			iS$	13 17					M=4.3
			iSg	26					CSEM
		SOP K Z	ePn	20 12 53				2.81	
			S$	13 36					
			Sg	46					
882.	10 16	BUD K N	P	02 11 32				77.94	47.05N 153.90E
			isP	45					T0=01 59 36.6
			PP	14 49					h= 33
			sS	21 37					Mb=5.6 Ms=5.6
			iScS	52					
			PS	22 07					
			PPS	32					
			eL	46 08					
			M	51 00	15.2	2.79			
		BUD K E	P	02 11 32					
			i	12 03					
			iS	21 28					
			sS	37					
			eL	40 46					
			M	52 52	13.0	2.73			
		BUD K Z	eP	02 11 31			-		
			sS	21 37					
			eL	47 09					
			M	51 26	15.6	2.09			
		BUD MK Z	iP	02 11 33.2			-	77.94	
			ipP	44					
			iPcP	46					
			sP	54					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	12 17					
		BUD K2 Z	P	02 11 32	2.0	2.22	+	77.94	
			sP	48					
			eL	50 07					
			M	51 15	16.0	4.0			
			F	03 11 53					
		BUD UT Z	P	02 11 33				77.94	
			pP	41					
			sP	50					
			ePP	14 24					
			ePPP	16 17					
			eL	40 32					
			M	51 33	16.4	2.66			
			F	04 01 48					
		SOP MK Z	P	02 11 34				78.58	
			sP	49					
			i	55					
			PP	14 13					
		SOP K Z	iP	02 11 36.0	2.3		+	78.58	
			isP	50					
			PP	14 31					
			eL	44 33					
883.	10 16	BUD K N	eP	03 19 13				71.67	18.55S 12.80W
			pP	21					T0=03 07 50.5
			PcP	38					h= 21
									Mb=5.3
		BUD K E	pP	03 19 21					
		BUD K Z	eP	03 19 13					
			PcP	38					
		BUD MK Z	P	03 19 12				71.67	
			ipP	18					
			sP	29					
			ePcP	41					
		BUD K2 Z	eP	03 19 12				71.67	
			epP	18					
			ePcP	38					
		SOP MK Z	P	03 19 08			-	71.00	
			pP	14					
			iPcP	28					
			PP	21 38					
		SOP K Z	iP	03 19 09			+	71.00	
			pP	21					
			ePcP	43					
			PP	21 39					
884.	10 16	SOP MK Z	ePP	21 26 58				104.22	9.73S 117.11E
			PPP	28 47					T0=21 09 17.7
									h= 33
									Mb=5.6

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
885.	10 17	BUD K N	ipPKP/A	17 46 52				151.07	27.91S 173.08E
			i	47 23					T0=17 26 40.4
			eL	18 22 26					h= 33
			F	20 33 32					Mb=6.3 Ms=6.7
		BUD K E	PKP/F	17 46 27					
			iPKP2/A	41					
			i	47 35					
			iPP	50 14					
			iSKS/F	53 16					
			iPPP	54 06					
			eL	18 23 36					
			F	20 33 22					
		BUD K Z	PKP/F	17 46 27					
			ipPKP/F	36					
			ipPKP/A	52					
			i	47 10					
			F	20 05 01					
		BUD MK Z	ePKP/F	17 46 28				151.87	
			ipPKP/F	35					
			i	44					
			iPKP2/A	54					
			ipPKP/A	47 06					
			ePP	50 32					
		BUD K2 Z	PKP/F	17 46 27			+	151.87	
			ipPKP/F	36					
			iPKP2/A	53					
			ipPKP/A	47 10					
			i	49 04					
			PP	50 11					
			PPP	54 04					
			F	21 02 42					
		BUD UT Z	ePKP/F	17 46 25				151.87	
			iPKP2/A	39					
			pPKP/A	47 09					
			PP	50 20					
			i	52 10					
			PPP	54 31					
			eL	18 15 10					
			F	20 58 53					
		SOP MK Z	PKP/F	17 46 28			+	153.09	
			pPKP/F	36					
			iPKP2/A	53					
			epPKP/A	47 01					
			i	12					
			PP	50 40					
		SOP K Z	iPKP/F	17 46 26.5			+	153.09	
			iPKP2/A	48					
			ipPKP/A	47 06					
			i	54					
			iPP	50 48					
			PPP	53 55					
			SS	18 09 56					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	44 38					
886.	10 18	SOP MK Z	iP	20 34 21.5	1.2	0.04	-	78.81	46.92N 154.28E
			ePcP	26					T0=20 22 20.2
			pP	33					h= 33
			esP	50					Mb=5.1
		SOP K Z	eP	20 34 16				78.81	
			esP	37					
887.	10 18	SOP MK Z	PKP/F	23 43 18	1.5	0.06	+	147.53	17.68S 178.80W
			iPKP2/A	23					T0=23 24 39.6
									h=600
									Mb=5.9
		SOP K Z	PKP/F	23 43 20				147.53	
			PKP2/A	25					
888.	10 19	SOP MK Z	PKP/F	02 41 32				151.80	20.74S 173.95W
			ipPKP/F	41					T0=02 21 40.4
			iPKP2/A	44					h= 33
			pPKP/A	53					Mb=5.3 Ms=5.5
		SOP K Z	PKP2/A	02 41 43				151.80	
			pPKP/A	48					
889.	10 19	BUD K N	i	06 42 26				34.04	27.88N 54.85E
			PP	43 19					T0=06 35 17.3
			PcP	44 35					h= 70
			S	46 50					M=4.8
			eL	51 46					CSEM
			F	07 29 25					
		BUD K E	P	06 41 55					
			isP	42 22					
			i	26					
			PP	43 19					
			eL	48 17					
			F	07 41 35					
		BUD K Z	P	06 41 55					
			PP	43 19					
			eL	55 36					
		BUD MK Z	P	06 41 55			+	34.04	
			pP	42 07					
			sP	33					
			PP	43 12					
			ePPP	31					
			ePcP	44 08					
		BUD K2 Z	eP	06 41 55				34.04	
			epP	42 20					
			esP	35					
			PP	43 16					
			eL	56 51					
		SOP MK Z	eP	06 42 07				35.67	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			epP	17					
			esP	34					
			PP	43 29					
			PPP	44 12					
			ePcP	34					
		SOP K Z	P	06 42 06				35.67	
			pP	22					
			sP	40					
			ePP	43 42					
			PPP	44 13					
			ePcP	37					
			F	07 32 32					
890.	10 19	SOP MK Z	PKP/F	08 01 43			-	145.75	18.14S 175.23W
			iPKP2/A	48					T0=07 42 24.5
									h=259
									Mb=5.1
		SOP K Z	PKP/F	08 01 43				145.75	
			PKP2/A	48					
891.	10 19	BUD K N	e	08 29 44					
			e	30 11					
			eL	09 01 41					
			M	05 38	12.2	0.78			
			F	27 34					
		BUD K E	i	08 30 34					
			eL	58 29					
			F	09 32 47					
		BUD K Z	e	08 29 44			-		
			e	30 25					
892.	10 19	SOP MK Z	iP	21 32 29.6	1.3	0.04	-	14.69	34.37N 24.87E
			sP	42					T0=21 29 16.5
			PPP	33 00					h= 10
									M=4.2
									CSEM
		SOP K Z	P	21 32 30				14.69	
			esP	36					
			ePPP	57					
893.	10 19	SOP MK Z	iP	22 51 42.6	1.2	0.09	-	83.13	22.60N 121.61E
			i	45					T0=22 39 34.1
			epP	52 10					h=150
			esP	34					Mb=5.5
		SOP K Z	P	22 51 44				83.13	
			pP	52 07					
			esP	34					
894.	10 20	BUD MK Z	P	05 52 01				77.91	47.15N 154.08E
			pP	04					T0=05 48 05.7
			iPcP	09					h= 44

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	26					Mb=5.4 Ms=5.4
		BUD K2 Z	P	05 52 01				77.91	
			isP	14					
			ePP	55 12					
			eL	06 30 52					
			F	57 28					
		SOP MK Z	P	05 52 04				78.54	
			iPcP	08					
			ipP	10					
			esP	15					
		SOP K Z	P	05 52 03	2.0		+	78.54	
			ipP	11					
			sP	25					
			i	35					
			PP	55 17					
			eL	06 27 44					
895.	10 20	SOP MK Z	P	08 09 09				78.42	47.23N 153.94E
			epP	21					T0=07 57 10.1
									h= 37
									Mb=5.2
896.	10 20	BUD MK Z	eP	08 29 34				72.43	56.42N 164.13E
			pP	44					T0=08 18 07.0
			sP	58					h= 40
									Mb=5.2 Ms=4.9
		BUD K2 Z	eP	08 29 29				72.43	
			ePcP	50					
			S	38 45					
		SOP MK Z	eP	08 29 33				72.79	
			epP	43					
			ePcP	54					
		SOP K Z	P	08 29 34				72.79	
			pP	43					
			sP	30 08					
897.	10 22	BUD K N	eP	10 05 17				12.89	34.96N 23.18E
			eL	10 24					T0=10 02 12.3
			M	26	15.4	4.13			h= 41
			F	29 00					M=5.3
									CSEM
		BUD K E	esP	10 05 26					
			PPP	49					
			S	07 44					
			SSS	08 22					
			eL	55					
			M	10 26	12.4	3.20			
			F	33 54					
		BUD K Z	eP	10 05 17					
			eSS	08 19					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	09 39					
			F	27 49					
		BUD MK Z	eP	10 05 11				12.89	
			sP	16					
			iPP	28					
			iPPP	30					
			i	43					
			eS	07 41					
			SS	08 07					
			eSSS	29					
		BUD K2 Z	eP	10 05 24				12.89	
			PPP	48					
			S	07 44					
			PcP	10 34					
			eL	58					
			F	22 31					
		BUD UT Z	eSS	10 08 22				12.89	
			PcP	10 37					
			eL	56					
			M	11 17	17.4	1.86			
			F	21 52					
		SOP K Z	eP	10 05 23				13.64	
			esP	32					
			ePP	42					
			iPPP	57					
			S	08 09					
			SSS	41					
			PcP	10 42					
898.	10 22	BUD K N	i	18 14 47				105.01	27.95S 62.97W T0=17 57 17.4 h=614 Mb=6.1
			PP	16 21					
		BUD K E	eP	18 10 19					
			i	12 50					
			iSKS/A	20 03					
			F	19 51 32					
		BUD K Z	eP	18 10 19					
			i	14 47					
			F	19 22 47					
		BUD MK Z	eP	18 10 20				105.01	
			ePP	16 54					
		BUD K2 Z	P	18 10 21				105.01	
			i	12 39					
			PP	16 36					
			PPP	18 15					
			SKS/A	19 44					
			eS	21 32					
			F	19 00 50					
		BUD UT Z	P	18 10 21				105.01	
			i	12 40					
			PP	16 13					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	17 10					
			F	19 47 52					
		SOP MK Z	P	18 10 14				103.59	
			i	13 49					
			PP	16 42					
			ePPP	18 24					
			eSKS/A	20 04					
		SOP K Z	P	18 10 16				103.59	
			i	13 39					
			iPP	16 35					
			ePPP	19 23					
			SKS/A	20 37					
			eS	21 45					
			SP	26 34					
899.	10 23	SOP MK Z	iPKP/F	03 04 48.2	0.9	0.03	-	151.04	21.68S 179.39W
			iPKP2/A	58					T0=02 46 02.2
									h=592
									Mb=5.0
900.	10 23	BUD K N	iPKP/F	10 51 21.8			+	145.23	21.48S 170.30E
			iPKP2/A	32					T0=10 31 53.1
			isPKP/F	48					h= 89
			sPKP/A	52 10					Mb=5.6
			ePP	55 39					
		BUD K E	iPKP/F	10 51 21.8			-		
			i	35					
			isPKP/F	48					
		BUD K Z	iPKP/F	10 51 21.8	1.6		-		
			i	35					
			ipPKP/F	44					
		BUD MK Z	PKP/F	10 51 21	1.2	0.09	+	145.23	
			iPKP2/A	28					
			ipPKP/F	45					
			ipPKP/A	48					
			sPKP/F	52 01					
			isPKP/A	08					
		BUD K2 Z	iPKP/F	10 51 20.8	2.0	2.46	-	145.23	
			ipPKP/F	44					
			sPKP/A	52 02					
			ePP	54 32					
		BUD UT Z	PKP/F	10 51 22				145.23	
			epPKP/F	43					
			esPKP/A	52 28					
		SOP MK Z	PKP/F	10 51 23			+	146.38	
			iPKP2/A	25					
			ipPKP/F	50					
			isPKP/F	52 05					
			isPKP/A	16					
			ePP	54 41					
		SOP K Z	PKP/F	10 51 23				146.38	
			iPKP2/A	25					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/F	45					
			ipPKP/A	57					
			PP	55 14					
901.	10 24	SOP MK Z	P	01 57 43	1.0	0.02	+	84.98	33.40N 140.60E
			pP	58 10					T0=01 45 11.9
									h= 70
									Mb=4.6
902.	10 24	BUD K E	esP	06 05 15				32.37	52.29N 31.53W
			ePP	06 01					T0=05 58 27.2
			PcP	07 45					h= 10
			i	09 06					M=5.2
			eL	17 43					CSEM
			F	50 50					
		BUD K Z	eP	06 05 04					
			pP	11					
			eL	17 51					
			F	50 43					
		BUD MK Z	eP	06 05 02				32.37	
			epP	09					
			sP	26					
			ePP	06 10					
			ePPP	14					
		BUD K2 Z	eP	06 05 03				32.37	
			esP	12					
			eL	18 13					
			F	30 52					
		BUD UT Z	ePcP	06 15 10				32.37	
			eL	16 04					
			F	36 51					
903.	10 25	SOP MK Z	PKP/F	02 40 16			-	145.98	15.56S 177.28W
			ePKP2/A	21					T0=02 20 35.1
			pPKP/A	31					h= 33
									Mb=4.8
		SOP K Z	ePKP/F	02 40 14				145.98	
			epPKP/F	22					
			i	42 32					
904.	10 26	SOP MK Z	PKP/F	11 39 42				145.94	15.55S 177.39W
									T0=11 20 16.1
									h= 41
									Mb=5.0 Ms=5.7
		SOP K Z	PKP/F	11 39 56				145.94	
			i	40 50					
			PP	43 12					
905.	10 26	SOP MK Z	P	15 23 09	1.5	0.15	+	80.09	51.35N 178.20E
			ipP	12					T0=15 10 58.5

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	20					h= 33 Mb=5.6
906.	10 26	SOP MK Z	P	17 09 03				31.04	31.52N 51.47E
			pP	19					T0=17 02 54.8
			sP	37					h= 76
									M=5.1
									CSEM
		SOP K Z	P	17 09 06				31.04	
			esP	31					
			ePPP	10 36					
907.	10 27	SOP MK Z	iP	00 28 43.2			-	31.75	29.82N 50.71E
			pP	49					T0=00 22 28.6
			sP	29 22					h= 78
			PP	30 12					M=5.6
									CSEM
		SOP K Z	P	00 28 45				31.75	
			pP	52					
			esP	29 10					
			ePPP	30 30					
908.	10 27	SOP MK Z	ePKP/F	12 26 03				146.69	16.38S 177.51W
			ePKP2/A	08					T0=12 06 19.2
			epPKP/A	23					h= 33
									Mb=5.1
		SOP K Z	PKP	12 26 06				146.69	
			epPKP	31					
909.	10 27	BUD K N	e	22 42 22					
			e	43 56					
			i	44 03					
		BUD K E	e	22 42 25					
			e	43 05					
			i	45 33					
		BUD K Z	e	22 43 05					
			i	45 28					
			i	52					
		BUD MK Z	i	22 42 22					
			i	29					
			i	32					
		BUD K2 Z	e	22 42 40					
			i	45 53					
			eL	46 57					
			F	57 52					
		BUD UT Z	eL	22 46 37					
			M	47 46	12.6	2.38			
			F	23 04 42					
910.	10 27	SOP MK Z	P	22 46 35				12.83	37.95N 28.00E
			i	46					T0=22 43 33.4

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			isP	52					h= 10
			PPP	47 05					M=4.7
									CSEM
		SOP K Z	P	22 46 35				12.83	
			sP	45					
			eS	48 52					
			SSS	49 52					
			L	51 51					
			M	52 10					
			F	23 14 11					
911.	10 29	SOP MK Z	Pn	02 49 56				2.00	46.09N 14.78E
			ePg	50 03					T0=02 49 24.7
			Sn	20					h= 10
			Sg	24					M=2.9
			L	53 22					CSEM
		SOP K Z	Pn	02 49 49				2.00	
			Sg	50 29					
912.	10 29	BUD MK Z	eP	03 14 21				38.63	50.05N 78.90E
			ipP	30					T0=03 07 02.9
			esP	40					h= 0
			iPP	16 01					Mb=5.6
			PcP	12					EXP.
			PPP	57					
		SOP MK Z	iP	03 14 33.5	1.1	0.09	+	40.03	
			i	36					
			pP	39					
			sP	49					
			PP	16 10					
			iPcP	20					
			iPPP	49					
		SOP K Z	P	03 14 29				40.03	
			pP	35					
913.	10 30	SOP MK Z	ePn	00 34 33				6.37	41.86N 20.28E
			e	41					T0=00 32 59.6
			ePg	35 14					h= 10
			Sn	44					M=3.4
			S$	36 13					CSEM
			Sg	29					
914.	10 30	SOP MK Z	iPKP/F	01 23 52.4	1.0	0.04	-	150.45	20.69S 178.47W
			i	24 03					T0=01 05 09.2
			PKP2/A	08					h=600
									Mb=4.4
915.	10 30	SOP MK Z	ePP	02 09 09				105.66	10.21S 118.72E
									T0=01 50 59.1
									h= 33
									Mb=5.7 Ms=5.3

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
916.	10 30	SOP MK Z	ePKP/F	06 44 07				150.08	20.35S 178.62W
			i	14					T0=06 25 30.7
			iPKP2/A	22					h=600
			pPKP/F	46 32					Mb=5.1
			sPKP/F	47 05					
		SOP K Z	PKP/F	06 44 14				150.08	
			PKP2/A	23					
917.	10 30	SOP MK Z	ePKP	13 12 41				139.11	14.87S 166.95E
			epPKP	13 06					T0=12 53 22.8
			sPKP	19					h=103
			PP	15 57					Mb=5.6
			i	16 19					
918.	10 30	SOP MK Z	ePKP2/A	16 46 20			-	157.04	27.18S 176.72W
			pPKP/A	31					T0=16 25 58.8
			esPKP/A	44					h=103
									Mb=5.6
919.	10 30	SOP MK Z	PKP2/A	22 47 22				157.22	27.27S 176.44W
			pPKP/A	37					T0=22 26 59.3
									h= 33
									Mb=5.1
920.	11 02	SOP MK Z	PKP/F	01 39 06				146.77	15.39S 173.31W
			pPKP/F	20					T0=01 19 27.9
			pPKP/A	30					h= 30
									Mb=5.3
		SOP K Z	PKP/F	01 39 04				146.77	
			ipPKP/F	18					
			pPKP/A	34					
921.	11 03	BUD K N	iPn	02 24 31				6.49	42.08N 24.09E
			i	41					T0=02 22 58.1
			ePg	57					h= 13
			iSn	25 33					M=5.9
			eL	51					CSEM
			M	26 41	8.2	26.19			
			F	03 06 48					
		BUD K E	Pn	02 24 31					
			i	38					
			iP*	46					
			i	54					
			iSn	25 33					
			eL	47					
			F	03 06 41					
		BUD K Z	Pn	02 24 31					
			i	41					
			iSn	25 33					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	47					
			M	26 44	9.0	19.07			
			F	59 00					
		BUD MK Z	iPn	02 24 31.2			-	6.49	
			i	34					
			i	46					
			iP$	54					
			iPg	25 06					
			iSn	41					
			iS$	26 03					
			Sg	29					
		BUD K2 Z	Pn	02 24 31				6.49	
			e	40					
			iP$	54					
			iPg	25 07					
			i	18					
			eL	51					
			M	27 42	9.8	42.42			
			F	47 24					
		BUD UT Z	e	02 24 40				6.49	
			ePg	25 06					
			eSn	46					
			eL	56					
			M	27 36	11.2	23.71			
			F	58 51					
		SOP MK Z	Pn	02 24 46				7.74	
			e	49					
			i	25 05					
			iP$	14					
			iPg	25					
			i	31					
			i	26 03					
			e	17					
			e	29					
			i	36					
			iS$	52					
			iSg	27 09					
		SOP K Z	ePn	02 24 35				7.74	
			e	46					
			iPg	25 20					
			S$	26 23					
			L	52					
			M	28 18					
			F	03 05 28					
922.	11 03	BUD K N	ePn	09 06 31				4.85	42.78N 20.74E
			eP$	45					T0=09 05 15.5
			Pg	54					h= 10
			iSn	07 29					M=4.0
			eL	42					CSEM
			F	14 00					
		BUD K E	eP$	09 06 45					
			Pg	54					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	07 47					
			F	16 41					
		BUD MK Z	ePn	09 06 25				4.85	
			i	33					
			iPg	39					
			iSn	07 22					
			eS#	38					
			eSg	46					
			i	08 04					
		BUD K2 Z	eS#	09 07 22				4.85	
			eSg	56					
			eL	08 34					
			F	12 42					
		SOP MK Z	Pn	09 06 39				5.72	
			iP#	50					
			ePg	07 06					
			eSn	49					
			eS#	08 15					
			eSg	24					
		SOP K Z	Pn	09 06 48				5.72	
			eP#	07 04					
			S#	08 08					
			Sg	38					
			i	09 04					
923.	11 04	BUD UT Z	pP	10 05 07				80.41	51.65N 175.95W
			i	39					T0=09 52 55.7
			PP	08 38					h= 33
			PPP	09 38					Mb=5.7 Ms=6.7
			PS	15 38					
			eL	26 19					
			M	40 11	23.4	11.15			
			F	13 14 47					
924.	11 04	SOP MK Z	eP	18 19 38				80.22	51.93N 175.61W
			esP	50					T0=18 07 33.9
									h= 47
									M=4.9
		SOP K Z	P	18 19 42				80.22	
			ePP	22 28					
925.	11 05	BUD K N	pP	14 56 15				80.56	51.54N 175.54W
			ePP	59 31					T0=14 44 03.3
			iSSP	15 07 48					h= 33
			eL	29 13					Mb=5.3 Ms=5.6
			M	39 48	19.0	2.59			
			F	59 00					
		BUD K E	isP	14 56 26					
			S	15 06 26					
			eL	30 15					
			F	58 42					
		BUD K Z	P	14 56 13					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	15 30 53					
			F	52 00					
		BUD MK Z	P	14 56 16				80.56	
			sP	27					
			ePP	58 24					
		BUD K2 Z	P	14 56 16				80.56	
			pP	23					
			sP	49					
		BUD UT Z	P	14 56 15				80.56	
			esP	49					
			ePP	59 17					
			eL	15 26 28					
			M	31 10	24.0	1.65			
			F	16 09 48					
		SOP MK Z	eP	14 56 13				80.61	
			sP	40					
		SOP K Z	P	14 56 12				80.61	
			PP	59 19					
			ePPP	15 01 42					
			eL	26 00					
			F	16 15 15					
926.	11 06	BUD K N	Pn	02 50 20				6.50	42.05N 24.06E
			P$	40					T0=02 48 43.5
			Pg	49					h= 10
			i	51 04					M=4.2
			iSn	34					CSEM
			iS$	51					
			eL	53					
			F	59 32					
		BUD K E	Pn	02 50 20					
			e	36					
			i	56					
			iS$	51 51					
			M	53 09	10.0	1.50			
			F	59 32					
		BUD K Z	i	02 51 04					
			iS$	51					
			Sg	52 18					
			eL	53 12					
			F	59 15					
		BUD MK Z	ePn	02 50 20				6.50	
			i	23					
			eP$	44					
			iPg	54					
			Sn	51 33					
			iS$	55					
			iSg	52 14					
		BUD K2 Z	ePg	02 51 06				6.50	
			eSn	44					
			eS$	52 18					
			iSg	24					
		SOP MK Z	Pn	02 50 37				7.75	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	47					
			i	53					
			P*	51 02					
			iPg	17					
			i	32					
			Sn	52 07					
			e	16					
			S*	32					
			Sg	43					
		SOP K Z	Pn	02 50 52				7.75	
			Pg	51 28					
			Sn	52 25					
			Sg	53 20					
			L	45					
			M	54 09					
			F	59 32					
927.	11 07	SOP MK Z	eP*	00 24 38				5.07	47.90N 9.03E
			Pg	52					T0=00 23 09.5
			S*	25 39					h= 33
			i	46					
			iSg	56					
		SOP K Z	eP*	00 24 41				5.07	
			ePg	50					
			Sn	25 24					
928.	11 07	SOP MK Z	P	08 31 30				78.94	46.39N 153.24E
			PcP	37					T0=08 19 31.1
									h= 33
									Mb=4.9
		SOP K Z	P	08 31 34			-	78.94	
			sP	45					
929.	11 07	SOP MK Z	PKP/F	13 41 19				147.30	16.26S 174.74W
			pPKP/A	42					T0=13 21 36.7
									h= 33
									Mb=4.8
									CSEM
930.	11 07	SOP MK Z	PKP	23 16 12				126.95	7.15S 156.08E
									T0=22 57 15.8
									h= 75
									Mb=5.7
931.	11 08	SOP MK Z	iP	15 11 08.9	1.2	0.11	+	78.24	47.76N 154.84E
			PcP	12					T0=14 59 15.2
			ipP	18					h= 50
			esP	39					Mb=5.2
		SOP K Z	P	15 11 09			+	78.24	
			PcP	19					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			sP	25					
932.	11 09	SOP MK Z	iP	21 26 29.7	1.0	0.04	-	78.29	47.52N 154.33E
			PcP	35					T0=21 14 32.0
			esP	43					h= 33
									Mb=5.1
		SOP K Z	P	21 26 28				78.29	
			sP	43					
933.	11 09	SOP MK Z	iP	22 12 39.7	1.1	0.08	+	85.60	37.07N 116.05W
			pP	44					T0=22 00 00.1
			sP	49					h= 0
									Mb=5.7 Ms=4.0
									EXP.
		SOP K Z	P	22 12 41				85.60	
			epP	49					
934.	11 12	SOP MK Z	P	03 28 44	1.2	0.03	+	79.31	43.97N 148.26E
			PcP	50					T0=03 16 38.5
			esP	55					h= 18
									Mb=5.0
935.	11 12	SOP MK Z	iPKP/F	19 23 42.1	1.0	0.1	-	150.48	20.48S 177.77W
			i	45					T0=19 04 48.0
			iPKP2/A	47					h=507
			epPKP/A	25 41					Mb=5.0
936.	11 13	SOP MK Z	eP	21 25 20				85.43	19.20N 121.19E
			pP	30					T0=21 12 46.3
			sP	34					h= 33
			i	42					Mb=5.2
937.	11 15	JOS MK Z	i	10 26 21.2			+		
			i	25					
			i	30					
938.	11 15	JOS MK Z	i	12 50 47.2			+		
			i	50					
			i	56					
939.	11 15	JOS MK Z	eP	22 19 00				11.09	41.00N 32.06E
			sP	20					T0=22 16 52.6
			iPP	25					h= 23
			iPPP	28					
			i	53					
940.	11 16	JOS MK Z	i	05 24 00					
			i	02					
			i	19					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
941.	11 16	JOS MK Z	i	11 08 34					
			i	36					
			i	38					
942.	11 16	JOS MK Z	i	12 48 34.1			+		
			L	37					
			F	50 22					
943.	11 16	JOS MK Z	i	13 24 34			+		
			i	44					
			e	25 04					
944.	11 16	JOS MK Z	e	14 07 18					
			i	26					
			i	32					
945.	11 16	JOS MK Z	iPKP/F	22 00 06.0			-	145.64	17.78S 178.54W
			PKP2/A	11					T0=21 41 30.4
			epPKP/F	02 20					h=581
			pPKP/A	25					Mb=5.2
946.	11 17	JOS MK Z	Pn	06 29 47				6.94	42.02N 24.10E
			i	52					T0=06 28 10.2
			i	30 00					h= 10
			i	03					Mb=4.0
			iP*	11					CSEM
			iPg	25					
			iSn	31 00					
			i	20					
			iS*	35					
			iSg	54					
947.	11 17	JOS MK Z	e	12 30 57					EXP?
			L	31 03					
			F	32 24					
948.	11 17	JOS MK Z	i	13 26 34					
			i	45					
			i	57					
949.	11 17	JOS MK Z	P	17 31 26			+	90.66	5.98S 104.84E
			ipP	57					T0=17 18 29.0
			sP	32 02					h= 66
			i	41					Mb=5.5
			PP	35 23					
			PPP	37 20					
950.	11 17	SOP MK Z	iP	17 32 52.8			+	84.42	33.99N 140.44E
			pP	33 12					T0=17 20 34.4
			esP	20					h=100
			ePP	36 09					Mb=5.5

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	P	17 32 55				84.42	
			pP	33 22					
			sP	36					
951.	11 18	JOS MK Z	ePKP2/A	03 18 35				155.69	28.17S 176.76W
			epPKP/A	44					T0=02 58 21.6
									h= 63
									Mb=4.9
									CSEM
		SOP MK Z	PKP2/A	03 18 40			-	157.95	
			pPKP/A	51					
952.	11 18	BUD K N	sP	05 29 23				53.37	32.69N 88.38E
			i	30 01					T0=05 20 11.3
			PP	31 19					h= 33
			iPPP	32 27					Mb=5.7 Ms=6.5
			isS	36 51					
			eL	40 42					
			M	55 10	9.8	17.34			
		BUD K E	P	05 29 12			-		
			ipP	16					
			i	28					
			iPcP	30 07					
			isS	36 51					
			eL	40 35					
			M	55 10	11.6	12.95			
		BUD K Z	P	05 29 12			-		
			ipP	16					
			i	28					
			SSP	37 24					
			eL	40 37					
			M	55 10	13.6	21.08			
		BUD MK Z	eP	05 29 12				53.37	
			i	14					
			pP	19					
			isP	25					
			PcP	30 21					
			PPP	31 23					
		BUD K2 Z	eP	05 29 12				53.37	
			pP	17					
			sP	28					
			PcP	30 04					
			eL	41 05					
			F	06 30 25					
		JOS MK Z	iP	05 29 20.0			-	52.19	
			i	25					
			ipP	38					
			isP	45					
			PcP	30 32					
			PP	31 25					
			iPPP	32 11					
		SOP MK Z	P	05 29 40			+	54.97	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	44					
			ipP	54					
			sP	30 02					
			PcP	40					
			ePP	31 48					
			ePPP	32 20					
		SOP K Z	iP	05 29 42.4			+	54.97	
			ipP	47					
			sP	30 04					
			PcP	31 11					
			ePP	32 03					
			PPP	34					
			S	37 01					
			ScS	39 37					
			SS	40 35					
			eSSS	42 55					
			eL	50 27					
			M	50 49					
953.	11 18	JOS MK Z	eP	06 46 31				39.10	30.25N 66.27E
			ipP	46					T0=06 39 02.1
			sP	50					h= 27
			ePP	48 06					Mb=4.9
			ePPP	23					
			ePcP	44					
954.	11 18	JOS MK Z	e	09 43 16					EXP?
			L	23					
			F	44 18					
955.	11 18	JOS MK Z	iP	10 30 27.0			+	87.59	4.35S 102.02E
			pP	30					T0=10 17 41.0
			isP	41					h= 33
			i	54					Mb=5.5 Ms=5.9
			PP	34 10					
			PPP	35 01					
		SOP MK Z	eP	10 30 39				90.12	
			epP	47					
			esP	53					
		SOP K Z	e	10 30 43				90.12	
			e	31 18					
			e	32 43					
956.	11 18	JOS MK Z	P	11 36 39				52.27	32.65N 88.46E
			epP	45					T0=11 27 27.6
			sP	37 06					h= 33
			ePcP	50					Mb=4.6
957.	11 18	JOS MK Z	i	12 58 38					
			i	59 06					
			i	11					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
958.	11 18	JOS MK Z	e	23 25 53					
			i	26 10					
			e	15					
959.	11 19	JOS MK Z	i	00 38 29					
			i	46					
			e	56					
960.	11 19	JOS MK Z	iPKP/F	06 22 36.3			+	145.61	17.80S 178.68W
			iPKP2/A	39					T0=06 04 04.2
			e	23 10					h=612
									Mb=4.7
961.	11 19	JOS MK Z	i	13 46 02			+		
			i	14					
			i	10					
962.	11 19	SOP MK Z	ePn	21 42 38				2.55	47.46N 12.00E
			P*	40					T0=21 41 53.7
			ePg	45					h= 10
			Sn	43 10					M=3.4
			S*	16					CSEM
			Sg	20					
			i	32					
		SOP K Z	ePg	21 42 50				2.55	
			eSg	43 20					
963.	11 19	SOP MK Z	ePn	23 45 10				2.51	47.47N 12.85E
			ePg	10					T0=23 44 27.5
			S*	45					h= 6
			Sg	50					
			i	46 02					CSEM
964.	11 20	JOS MK Z	e	04 08 35					
			e	30					
			i	09 14					
965.	11 21	SOP MK Z	iP	02 20 51.1			+	76.46	42.89N 138.92E
			ePcP	59					T0=02 09 25.3
									h=220
									Mb=4.8
966.	11 21	JOS MK Z	P	03 03 14				92.12	29.26N 112.97W
			pP	20					T0=02 50 03.4
			sP	30					h= 33
			e	55					Mb=5.2 Ms=5.6
		SOP MK Z	P	03 03 00				90.99	
			pP	14					
			esP	30					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
967.	11 21	JOS MK Z	P	11 51 53			+	93.48	6.83N 123.57E
			i	58					T0=11 39 40.1
			epP	53 53					h=601
			sP	55 23					Mb=5.8
			i	57 17					
			iPP	42					
			ePPP	58 12					
968.	11 21	JOS MK Z	iPKP2/A	23 24 55.0			+	155.61	29.27S 179.04W
			pPKP/F	25 44					T0=23 05 12.4
									h=330
									Mb=4.8
969.	11 22	JOS MK Z	PKP/F	08 59 06			+	147.39	19.08S 177.02W
			iPKP2/A	13					T0=08 39 31.5
			ipPKP/F	26					h= 90
			sPKP/F	48					Mb=5.0
			esPKP/A	09 00 09					
970.	11 22	JOS MK Z	ePKP/F	13 31 00				151.27	22.16S 173.98W
			ipPKP/F	06					T0=13 11 05.5
			ePKP2/A	19					h= 33
			pPKP/A	33					Mb=4.7
971.	11 22	JOS MK Z	ePKP	16 15 42			-	129.60	10.23S 161.12E
			ipPKP	16 06					T0=15 56 44.1
			i	41					h= 92
			PP	18 22					Mb=5.9
			PPP	20 56					
		SOP MK Z	PKP	16 15 44				132.22	
			epPKP	16 08					
			sPKP	31					
			iPP	18 43					
		SOP K Z	ePKP	16 15 44				132.22	
			epPKP	16 02					
			sPKP	10					
			i	18 12					
			PP	33					
			ePPP	21 19					
972.	11 22	JOS MK Z	P	21 28 42			-	86.74	39.44N 123.25W
			ipP	51					T0=21 15 52.2
			sP	29 05					h= 5
									Mb=5.2
		SOP MK Z	P	21 28 38	1.8	0.07	+	86.18	
			epP	44					
			esP	59					
973.	11 23	JOS MK Z	PKP/F	02 30 56				150.98	24.45S 179.85E
			PKP2/A	31 07					T0=02 12 02.5

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			epPKP/F	32 44					h=523
			pPKP/A	33 07					Mb=5.1
974.	11 23	BUD K N	ipPKP	09 45 32				110.12	31.02S 67.76W
			iPP	56					T0=09 26 24.7
			F	13 24 34					h= 13
									Mb=6.3 Ms=7.4
		BUD K E	P	09 41 05					
			i	33					
			F	13 56 51					
		BUD K Z	i	09 41 27					
			PKP	44 51					
			M	45 56	20.8	21.05			
			F	13 56 44					
		BUD K2 Z	PP	09 45 03				110.12	
			i	40					
			PPP	47 14					
			S	52 12					
			eSSP	56 12					
			eL	10 18 03					
			M	32 09	10.5	22.11			
		JOS MK Z	P	09 41 07				111.46	
			i	19					
			i	48					
			iPKP	44 56					
			ipPKP	45 17					
			iPP	46 06					
975.	11 23	SOP MK Z	e	10 11 14					
			e	30					
			F	12 21					
976.	11 23	JOS MK Z	i	11 33 47.6			-		EXP?
			i	53					
			i	57					
977.	11 23	JOS MK Z	i	12 00 27					
			i	52					
			i	01 20					
978.	11 23	JOS MK Z	i	12 52 00					EXP?
			i	11					
			i	21					
979.	11 23	JOS MK Z	iP	17 07 19.6			+	79.16	52.19N 171.54W
			iPcP	28					T0=16 55 20.4
			isP	43					h= 53
			i	08 04					Mb=5.5 Ms=5.5
		SOP MK Z	iP	17 07 27.7				80.27	
			pP	35					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	p	17 07 28				80.27	
			i	08 36					
			ePP	09 59					
980.	11 24	JOS MK Z	PKP	02 16 44				111.69	31.47S 67.62W
			pPKP	17 01					T0=01 58 33.4
			PP	45					h= 33
			i	18 32					Mb=5.8 Ms=6.0
			iSKS/A	23 01					
		SOP MK Z	ePP	02 17 24				108.92	
		SOP K Z	iPP	02 17 27				108.92	
981.	11 24	SOP MK Z	ePP	02 21 25				108.99	31.61S 67.57W
									T0=02 02 31.0
									h= 23
									Mb=5.7 Ms=6.3
		SOP K Z	PP	02 21 25				108.99	
			i	31					
982.	11 24	JOS MK Z	ePKP/F	03 05 06				145.55	15.72S 172.68W
			PKP2/A	09					T0=02 45 30.4
			ipPKP/F	19					h= 33
			ipPKP/A	29					Mb=4.7
983.	11 24	JOS MK Z	sP	09 17 40				11.14	39.38N 29.16E
			i	46					T0=09 14 11.1
			eS	18 36					h=106
984.	11 24	JOS MK Z	i	09 45 03					EXP?
			i	08					
			i	15					
985.	11 24	JOS MK Z	e	12 20 05					EXP?
			i	16					
			i	51					
			i	53					
986.	11 24	JOS MK Z	i	12 41 12					EXP?
			i	16					
			i	28					
987.	11 24	BUD K N	ePKP2/A	17 19 55				148.90	21.89S 138.95W
			epPKP/A	20 15					T0=16 59 58.5
									h= 0
									Mb=6.0 Ms=4.5
		BUD K E	ePKP2/A	17 19 55					
			epPKP/A	20 15					
		BUD K Z	PKP/F	17 19 50					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pPKP/F	20 05					
		BUD MK Z	PKP/F	17 19 45				148.90	
			iPKP2/A	50					
			pPKP/A	20 04					
			i	17					
			PP	23 20					
		JOS MK Z	PKP/F	17 19 45			-	148.80	
			iPKP2/A	49					
			pPKP/F	20 02					
			pPKP/A	09					
			i	21					
			PP	23 36					
		SOP MK Z	iPKP/F	17 19 43.3	1.0	0.03	-	147.60	
			i	46					
			PKP2/A	50					
			pPKP/F	50					
			pPKP/A	20 01					
			i	05					
		SOP K Z	epPKP/F	17 19 45				147.60	
			epPKP/A	47					
988.	11 24	BUD MK Z	PKP/F	20 30 30				147.01	17.84S 178.79W
			PKP2/A	36					T0=20 11 48.1
									h=549
									Mb=5.2
		JOS MK Z	iPKP/F	20 30 26.2			+	145.61	
			iPKP2/A	29					
989.	11 24	BUD K N	eL	23 22 24					
			F	27 22					
		BUD K E	eL	23 22 23					
			F	29 38					
		BUD K Z	eL	23 21 43					
			F	28 49					
990.	11 25	JOS MK Z	i	08 40 22			-		
			i	26					
			i	30					
991.	11 25	JOS MK Z	e	11 18 34					
			i	37					
			i	48					
992.	11 25	JOS MK Z	e	11 37 38					EXP?
			L	41					
			F	39 08					
993.	11 26	JOS MK Z	iPKP/F	05 40 18.6			-	145.95	17.95S 178.12W
			iPKP2/A	23					T0=05 21 40.8
			pPKP/A	42 27					h=564
			esPKP/F	49					Mb=5.5

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
994.	11 26	JOS MK Z	iPKP/F	09 34 12.5			-	144.65	15.27S 174.40W
			iPKP2/A	17					T0=09 14 51.2
			i	31					h=133
			ipPKP/F	51					Mb=5.3
			ipPKP/A	35 00					
			sPKP/A	26					
		ŠOP MK Z	ePKP/F	09 34 17				146.43	
			ePKP2/A	21					
			epPKP/F	58					
			epPKP/A	35 06					
		SOP K Z	PKP/F	09 34 28				146.43	
			PKP2/A	46					
			i	58					
			pPKP/F	35 06					
			sPKP/A	42					
995.	11 26	JOS MK Z	Pn	13 22 08			+	9.85	38.64N 20.37E
			iPP	14					T0=13 19 50.8
			iPPP	21					h= 48
			iPS	32					M=4.2
			Pg	55					CSEM
			i	23 05					
			SS	24 10					
			S$	31					
			eSg	25 03					
996.	11 26	SOP MK Z	PKP/F	15 43 44				146.66	15.33S 173.57W
			ipPKP/F	55					T0=15 23 50.9
									h= 33
									Mb=4.5
		SOP K Z	ePKP/F	15 43 42				146.66	
			pPKP/A	44 06					
997.	11 26	SOP MK Z	P	22 57 55				68.68	39.46N 117.93E
			pP	59					T0=22 46 52.2
			PcP	58 17					h= 33
									Mb=5.1
998.	11 27	JOS MK Z	iP	02 32 54.7			+	90.92	11.80N 125.47E
			ipP	33 00					T0=02 19 52.3
			isP	04					h= 33
			i	44					Mb=5.5 Ms=5.7
			PP	36 36					
			ePPP	38 31					
		SOP MK Z	eP	02 33 06				93.71	
			pP	15					
			sP	29					
999.	11 27	BUD K N	pP	08 48 08				78.27	46.42N 153.28E
			iS	58 00					T0=08 36 05.7

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			iSSP	59 14					h= 33
			i	09 00 15					Mb=5.5 Ms=5.7
			eL	23 47					
			M	26 56	15.8	6.38			
			F	10 57 45					
		BUD K E	P	08 48 04					
			i	54 54					
			isS	58 02					
			eL	09 15 06					
			M	27 19	14.2	5.71			
			F	11 01 48					
		BUD K Z	P	08 48 04	8.0	2.16			
			iPP	51 05					
			eL	09 20 08					
			M	26 59	17.6	10.75			
			F	11 01 17					
		JOS MK Z	iP	08 47 55.4			+	76.88	
			pP	48 00					
			iPcP	06					
			isP	15					
			i	43					
			PP	50 59					
			PPP	52 45					
		SOP MK Z	iP	08 48 07.2	0.9	0.02	+	78.93	
			iPcP	16					
			ipP	19					
			sP	33					
			ePP	50 44					
		SOP K Z	P	08 48 08				78.93	
			isP	22					
			i	49 09					
			PP	50 55					
			ePPP	53 32					
			ScS	58 33					
			PS	47					
			SS	09 03 25					
			eL	21 03					
			M	28 26					
			F	34 32					
1000.	11 27	JOS MK Z	eP	09 47 24				97.28	00.02S 120.60E
			sP	40					T0=09 33 47.1
			ePP	51 05					h= 65
			ePPP	53 39					Mb=5.5
1001.	11 27	JOS MK Z	PKP/F	10 39 19			-	149.37	21.00S 176.43W
			iPKP2/A	23					T0=10 19 54.6
			epPKP/F	40 09					h=199
									Mb=4.2
1002.	11 27	JOS MK Z	eP	10 58 53				80.37	51.34N 166.33W

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pP	59 00					T0=10 46 43.8
			sP	07					h= 33
			i	25					Mb=5.0 Ms=4.7
			ePP	11 01 42					
		SOP MK Z	iP	10 58 59.6			-	81.33	
			pP	59 06					
			esP	21					
		SOP K Z	esP	10 59 09				81.33	
			ePP	11 02 19					
1003.	11 27	JOS MK Z	PKP/F	12 58 55			+	148.15	20.48S 178.42W
			iPKP2/A	59 05					T0=12 40 15.0
			i	14					h=558
			pPKP/A	13 01 13					Mb=5.6
			sPKP/A	02 52					
		SOP MK Z	PKP/F	12 58 58				150.27	
			i	59 03					
			PKP2/A	07					
			epPKP/F	13 01 16					
			esPKP/A	02 38					
		SOP K Z	PKP/F	12 59 02			-	150.27	
			PKP2/A	15					
			pPKP/A	13 01 14					
			sPKP/A	02 14					
1004.	11 27	JOS MK Z	P	15 16 26				73.26	58.55N 155.38W
			PcP	31					T0=15 05 06.8
			epP	51					h=116
			sP	17 00					Mb=4.9
			i	27					
1005.	11 28	JOS MK Z	P	04 49 40			+	92.51	15.33N 91.43W
			pP	44					T0=04 36 52.5
			sP	50 36					h=225
									Mb=5.1
1006.	11 28	BUD K N	eL	07 24 39					
			F	08 14 49					
		BUD K E	eL	07 22 56					
			M	41 00	19.6	4.15			
			F	08 21 40					
		BUD K Z	eL	07 23 52					
			M	39 12	16.6	3.34			
			F	08 20 44					
1007.	11 28	JOS MK Z	i	12 35 26					EXP?
			L	31					
			F	36 30					
1008.	11 29	BUD MK Z	e	00 48 43					
			L	45					
			M	46					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	49 17					
1009.	11 30	BUD MK Z	P	04 14 26	1.0	0.02	+	39.03	49.95N 78.93E
			pP	33					T0=04 06 57.5
			sP	38					h= 0
			i	56					Mb=5.9 Ms=3.5
			PP	16 06					EXP.
			PcP	28					
			ePPP	51					
		JOS MK Z	iP	04 14 13.9			+	37.32	
			ipP	19					
			isP	26					
			i	43					
			iPP	15 38					
			PPP	16 00					
			iPcP	19					
			sS	20 04					
			SS	22 44					
			SSS	23 05					
			ScS	24 42					
		SOP MK Z	iP	04 14 32.7	1.0	0.27	+	40.08	
			pP	41					
			isP	47					
			PP	16 14					
			PPP	26					
			PcP	39					
		SOP K Z	iP	04 14 36.8			+	40.08	
			pP	42					
			sP	54					
			PP	16 20					
			PcP	38					
1010.	11 30	JOS MK Z	PKP/F	10 34 24			-	148.27	20.61S 178.42W
			iPKP2/A	30					T0=10 15 43.4
			i	34					h=550
			pPKP/F	36 17					Mb=5.5
			ipPKP/A	41					
			sPKP/F	37 10					
			isPKP/A	42					
			ePP	39 14					
		SOP MK Z	ePKP/F	10 34 34				150.39	
			ePKP2/A	41					
		SOP K Z	PKP/F	10 34 24				150.39	
			i	28					
			iPKP2/A	43					
			pPKP/F	36 39					
			sPKP/A	38 02					
1011.	11 30	SOP MK Z	PKP/F	22 08 02			+	147.46	17.67S 178.97W
			PKP2/A	09					T0=21 49 10.0
									h=539
									Mb=5.2

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	PKP/F	22 08 04				147.46	
1012.	11 30	JOS MK Z	i	23 07 56.6			+		
			e	08 33					
			e	50					
1013.	12 01	JOS MK Z	i	12 26 51					EXP?
			L	54					
			F	27 46					
1014.	12 01	JOS MK Z	ePn	12 58 53				5.42	44.20N 25.33E
			e	58					T0=12 57 34.4
			iP$	59 03					h= 10
			iPg	16					
			S$	13 00 12					CSEM
			e	21					
			Sg	30					
1015.	12 01	JOS MK Z	i	14 12 06					
			i	11					
			i	53					
1016.	12 01	SOP MK Z	iP	21 18 24.3	0.9	0.09	+	36.74	27.86N 56.51E
			i	32					T0=21 11 26.2
			pP	41					h= 81
			sP	55					Mb=5.6
									CSEM
		SOP K Z	P	21 18 25				36.74	
			esP	19 09					
1017.	12 01	SOP MK Z	iP	23 35 23.7			-	36.32	28.14N 56.16E
			ipP	35					T0=23 28 28.8
			sP	55					h= 84
									M=5.3
									CSEM
		SOP K Z	P	23 35 15				36.32	
			pP	27					
1018.	12 02	JOS MK Z	ePKP	04 32 33				116.10	5.02S 145.02E
			pPKP	33 04					T0=04 13 53.8
			PP	58					h= 66
			i	34 11					Mb=5.7
			iPPP	37 08					
1019.	12 02	JOS MK Z	e	04 43 13					
			e	44 26					
			e	47 14					
1020.	12 02	BUD K N	P	13 08 50				74.51	52.92N 159.71E
			iPcP	09 13					T0=12 57 10.7
			PPP	13 22					h= 15
			iPPS	19 24					Mb=5.8 Ms=5.1
			i	20 44					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			eL	44 53					
			M	45 47	16.6	1.53			
			F	57 47					
		BUD K E	P	13 08 50					
			ipP	55					
			isP	09 18					
			i	10 16					
			iPP	11 20					
			eL	42 49					
			F	55 42					
		BUD MK Z	iP	13 08 49.8	1.3	0.31	+	74.51	
			ipP	58					
			iPcP	09 03					
			isP	08					
			i	28					
			ePP	11 18					
		JOS MK Z	iP	13 08 41.4			+	73.17	
			ipP	45					
			iPcP	09 01					
			i	16					
			PP	11 45					
		SOP MK Z	iP	13 08 53.3			+	74.97	
			ipP	57					
			iPcP	09 03					
			isP	07					
		SOP K Z	iP	13 08 52.3			+	74.97	
			pP	09 00					
			PcP	06					
			isP	18					
			ePP	11 10					
1021.	12 03	BUD K N	Pg	05 42 10				7.39	40.11N 19.88E
			Sn	57					T0=05 39 32.7
			i	43 38					h= 48
			iSg	53					M=4.8
			eL	44 26					CSEM
			M	37	7.8	1.0			
			F	54 35					
		BUD K E	Pg	05 42 10					
			S$	43 31					
			iSg	53					
			eL	44 12					
			M	54	7.6	1.33			
			F	55 45					
		BUD MK Z	ePn	05 41 10				7.39	
			i	22					
			iP$	31					
			Pg	43					
			i	57					
			i	42 45					
			iS$	43 01					
			Sg	14					
		BUD K2 Z	eS$	05 43 15				7.39	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		JOS MK Z	Pn	05 41 32				8.39	
			i	38					
			i	50					
			iP$	57					
			iPg	42 10					
			i	16					
			e	43 11					
			iS$	31					
			iSg	44 01					
		SOP MK Z	ePn	05 41 35				7.94	
			e	47					
			Pg	42 16					
			e	43 12					
			eS$	37					
			Sg	54					
			i	44 19					
		SOP K Z	Pn	05 41 30				7.94	
			Pg	42 06					
			i	30					
			S$	43 22					
			eSg	44 00					
1022.	12 03	BUD K N	P	13 53 21				78.54	3.51N 95.89E
			iPcP	38					T0=13 41 20.9
			iPP	55 39					h= 41
			S	14 03 10					Mb=5.8 Ms=5.9
			ScS	35					
			SP	04 10					
			eL	29 41					
			F	55 47					
		BUD K E	P	13 53 21					
			ipP	26					
			sP	49					
			iPP	55 39					
			S	14 03 10					
			iPS	04 08					
			eL	33 23					
			F	57 24					
		BUD MK Z	iP	13 53 18.7	1.1	0.13	-	78.54	
			PcP	24					
			ipP	30					
			isP	41					
			i	54 03					
			iPP	56 38					
		BUD K2 Z	P	13 53 20				78.54	
			PcP	25					
			pP	36					
			isP	42					
		JOS MK Z	iP	13 53 15.0			-	77.68	
			iPcP	29					
			i	55					
			PP	56 16					
			ePPP	57 07					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	iP	13 53 28.8	1.5	0.12	-	80.23	
			ipP	32					
			sP	40					
			i	54 02					
			ePP	56 40					
		SOP K Z	P	13 53 26				80.23	
			ipP	30					
			sP	36					
			i	54 22					
			ePP	56 40					
			iPS	14 04 02					
			eSSP	44					
1023.	12 03	JOS MK Z	PKP/F	18 19 22				150.81	22.00S 174.93W
			pPKP/F	34					T0=17 59 31.3
			ipPKP/A	45					h= 33
			i	56					Mb=5.3
1024.	12 04	BUD K N	e	06 11 11				153.55	23.89S 176.07W
									T0=05 50 35.6
									h= 56
									Mb=5.6 Ms=6.2
		BUD K E	epPKP/A	06 11 00					
		BUD MK Z	PKP/F	06 10 29				153.55	
			iPKP2/A	46					
			ipPKP/A	55					
			i	11 12					
		JOS MK Z	PKP/F	06 10 27				152.14	
			ipPKP/F	32					
			iPKP2/A	51					
			ipPKP/A	56					
			i	11 13					
			ePP	14 55					
		SOP MK Z	PKP/F	06 10 24				154.21	
			pPKP/F	37					
			PKP2/A	44					
			pPKP/A	53					
		SOP K Z	PKP/F	06 10 14				154.21	
			PKP2/A	42					
			isPKP/F	52					
			pPKP/A	11 11					
			sPKP/A	30					
1025.	12 04	JOS MK Z	i	10 36 59					
			i	37 04					
			i	24					
1026.	12 04	JOS MK Z	P	11 49 43			+	72.91	48.25N 146.59E
			PcP	56					T0=11 39 02.8
			ipP	51 29					h=479
			i	47					Mb=5.1

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esP	52 09					
1027.	12 04	BUD MK Z	iPKP/F	14 42 37.7	0.9	0.05	-	148.27	18.29S 176.36W
			iPKP2/A	42					T0=14 23 24.0
			i	46					h=272
			pPKP/A	44 00					Mb=5.2
		JOS MK Z	iPKP/F	14 42 37.4			-	146.88	
			iPKP2/A	40					
			i	54					
			pPKP/F	43 48					
			ipPKP/A	59					
			sPKP/F	44 09					
			sPKP/A	32					
		SOP MK Z	iPKP/F	14 42 39.9			-	146.35	
			iPKP2/A	45					
1028.	12 05	SOP K Z	i	14 34 12					
			i	26					
			e	36 44					
1029.	12 06	JOS MK Z	i	01 27 00					
			i	05					
			i	11					
1030.	12 06	JOS MK Z	P	10 59 43			+	35.00	41.42N 69.73E
			ipP	50					T0=10 52 53.5
			isP	11 00 00					h= 33
			i	23					Mb=5.2
			iPP	01 07					
			PPP	32					
			iPcP	02 05					
			eS	04 48					
			sS	05 25					
			eSS	07 04					
			eSSS	08 00					
		SOP MK Z	eP	11 00 00	1.0	0.03	+	37.77	
			i	10					
			pP	14					
			sP	17					
			ePP	01 39					
			ePPP	02 01					
			PcP	20					
		SOP K Z	epP	11 00 17				37.77	
1031.	12 06	JOS MK Z	PKP/F	13 27 20			-	153.00	24.82S 175.02W
			ePKP2/A	30					T0=13 07 23.7
			pPKP/F	37					h= 33
			ipPKP/A	28 01					Mb=4.9 Ms=4.7
1032.	12 06	JOS MK Z	i	14 59 02					
			i	04					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	10					
1033.	12 06	JOS MK Z	ePKP	17 23 40				111.53	31.16S 67.71W
			pPKP	46					T0=17 05 06.4
			ePP	24 35					h= 19
									Mb=5.9
1034.	12 07	JOS MK Z	eP	05 17 38				73.98	19.89S 11.88W
			ipP	45					T0=05 06 05.5
			sP	50					h= 33
			ePcP	18 11					Mb=5.0 Ms=5.2
1035.	12 07	JOS MK Z	PKP/F	06 19 38				152.15	24.13S 176.62W
			i	40					T0=05 59 44.3
			ipPKP/F	49					h= 33
			PKP2/A	20 01					Mb=5.2 Ms=4.7
			ipPKP/A	07					
1036.	12 07	SOP MK Z	e	19 22 49					
			i	23 34					
			i	59					
1037.	12 08	JOS MK Z	P	00 43 51			-	13.63	35.02N 23.43E
			sP	44 02					T0=00 40 43.0
			ePP	15					h= 35
			PPP	29					M=5.0
			i	36					CSEM
		SOP MK Z	P	00 44 01				13.69	
			sP	04					
			ePP	15					
			PPP	24					
1038.	12 08	JOS MK Z	ePKP/F	05 13 37				151.56	23.36S 176.33W
			ePKP2/A	47					T0=04 53 58.1
			epPKP/F	14 07					h=153
			esPKP/F	34					Mb=4.3
1039.	12 08	JOS MK Z	PKP/F	06 35 05			+	152.55	24.15S 175.60W
			iPKP2/A	24					T0=06 15 16.2
			ipPKP/A	40					h= 33
			i	36 04					Mb=5.5 Ms=6.1
			ePP	39 00					
		SOP MK Z	ePKP/F	06 35 07				154.59	
			epPKP/F	23					
			PKP2/A	31					
			ipPKP/A	43					
		SOP K Z	PKP/F	06 35 04				154.59	
			ipPKP/F	14					
			PKP2/A	24					
			pPKP/F	29					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	52					
			PP	38 58					
			eSKS/F	42 00					
			PPP	43 04					
1040.	12 08	BUD K N	eL	07 45 22					
			F	08 11 54					
		BUD K E	eL	07 46 44					
			F	08 09 45					
		BUD K Z	eL	07 42 46					
			F	08 11 35					
1041.	12 08	JOS MK Z	i	09 34 40					EXP?
			L	44					
			F	35 25					
1042.	12 08	JOS MK Z	iPKP/F	12 33 26.9			-	147.41	17.79S 173.10W
			PKP2/A	33					T0=12 14 00.5
			pPKP/F	34 05					h=151
			sPKP/F	19					Mb=5.1
			esPKP/A	30					
1043.	12 09	JOS MK Z	PKP/F	05 21 34			-	151.84	23.51S 175.96W
			pPKP/F	43					T0=05 01 38.1
			PKP2/A	52					h= 33
			ipPKP/A	58					Mb=5.1 Ms=4.6
1044.	12 09	JOS MK Z	i	11 13 31			+		EXP?
			L	35					
			F	14 47					
1045.	12 09	BUD K N	eP	15 56 22				10.95	38.37N 27.35E
			sP	35					T0=15 53 48.5
			SS	58 53					h= 33
			eL	59 38					M=5.2
			F	16 14 27					CSEM
		BUD K E	PP	15 56 42					
			ePPP	56					
			S	58 24					
			eL	59 36					
			M	16 00 27	13.8	5.07			
			F	15 36					
		BUD K Z	PP	15 56 42					
			eL	59 18					
			M	16 01 17	12.8	2.46			
			F	15 33					
		BUD MK Z	P	15 56 14			+	10.95	
			sP	21					
			iPPP	35					
			iS	58 14					
			iSSS	59 03					
			ePcP	16 01 19					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K2 Z	eSSS	15 59 08				10.95	
			PcP	16 02 08					
		JOS MK Z	P	15 56 20			-	11.26	
			sP	28					
			iPPP	42					
			SS	58 50					
			iSSS	59 02					
		SOP MK Z	eP	15 56 29				12.19	
			sP	35					
			PPP	54					
		SOP K Z	P	15 56 36				12.19	
			esP	43					
			PPP	57 00					
			S	59 06					
			i	16 00 21					
			PcP	02 12					
1046.	12 10	BUD K N	P	05 53 18				35.18	27.75N 56.51E
			pP	38					T0=05 46 27.8
			SSS	06 01 53					h= 67
			iScS	03 35					M=5.9
			eL	07 29					CSEM
		BUD K E	isP	05 53 49					
			iPP	54 43					
			iPcP	55 39					
			isS	59 13					
			eL	06 09 15					
			M	11 40	14.2	2.06			
		BUD K Z	eL	06 10 14					
		BUD MK Z	P	05 53 14			+	35.18	
			pP	23					
			sP	46					
			ePP	54 52					
			ePPP	55 08					
			ePcP	42					
		SOP MK Z	iP	05 53 29.1	1.1	0.04	+	36.82	
			i	32					
			pP	49					
			isP	55					
			ePP	54 50					
		SOP K Z	P	05 53 28				36.82	
			isP	44					
			i	54 22					
			PP	55 02					
1047.	12 10	JOS MK Z	e	13 32 00			+		EXP?
			L	03					
			F	45					
1048.	12 10	BUD MK Z	iP	23 23 18.4	1.0	0.05	+	77.11	47.59N 152.83E
			ipP	51					T0=23 11 37.1
			isP	24 03					h=128
			i	25 29					Mb=5.2

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	26 52					
		JOS MK Z	eP	23 23 10				75.72	
			iPcP	17					
			ipP	31					
			esP	48					
			PP	26 35					
			ePPP	27 23					
		SOP MK Z	P	23 23 22				77.75	
			ePcP	32					
			pP	39					
			sP	56					
			i	24 11					
			ePP	26 41					
		SOP K Z	PcP	23 23 36				77.75	
			pP	56					
			sP	59					
			PP	26 54					
1049.	12 11	JOS MK Z	ePPP	04 34 41				24.14	34.62N 47.21E T0=04 28 24.2 h= 33 Mb=4.2
1050.	12 11	BUD K N	e	16 35 43				82.11	9.51N 69.56W T0=16 22 08.6 h= 18 Mb=5.6 Ms=5.0
		BUD K E	eP	16 34 30					
			sP	48					
		BUD MK Z	iP	16 34 28.6			+	82.11	
			ipP	30					
			isP	53					
			i	35 05					
		JOS MK Z	iP	16 34 34.6			+	83.02	
			ipP	37					
			isP	46					
		SOP MK Z	P	16 34 20	1.0	0.04	+	80.44	
			pP	23					
			isP	28					
		SOP K Z	P	16 34 22				80.44	
			pP	27					
1051.	12 12	BUD MK Z	P	02 56 17			-	81.24	23.05N 121.40E T0=02 44 03.4 h= 26 Mb=5.1
			ipP	22					
			isP	34					
		JOS MK Z	P	02 56 11			+	79.90	
			ipP	20					
			sP	27					
			ePP	59 14					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP MK Z	iP	02 56 26.0			-	82.67	
			pP	30					
			isP	32					
			i	45					
1052.	12 12	JOS MK Z	iPKP	06 06 36			+	144.70	22.35S 170.64E
			i	39					T0=05 47 03.2
			ipPKP	47					h= 33
			ePP	09 12					Mb=5.3
1053.	12 12	SOP MK Z	PKP/F	08 57 24	1.8	0.13	-	145.37	17.77S 175.11W
			PKP2/A	29					T0=08 38 00.2
									h=202
									Mb=5.3
		SOP K Z	PKP/F	08 57 25				145.37	
			ePKP2/A	31					
1054.	12 12	JOS MK Z	e	11 31 49					EXP?
			L	53					
			F	32 31					
1055.	12 13	BUD K N	pP	01 25 10				66.55	17.35N 54.84W
			isP	20					T0=01 14 18.6
			iPcP	52					h= 33
			PP	27 48					Mb=5.7 Ms=6.4
			iS	33 58					
			iScS	34 44					
			eL	45 42					
			M	48 27	12.2	2.46			
			F	02 45 46					
		BUD K E	iP	01 25 06.5					
			iPcP	52					
			i	26 42					
			PP	27 48					
			eL	47 10					
			M	50 33	15.2	5.68			
			F	02 45 48					
		BUD K Z	iP	01 25 06.5					
			isP	20					
			i	26 16					
			sS	34 04					
			eL	47 24					
			M	50 37	15.8	9.25			
			F	02 46 41					
		BUD MK Z	iP	01 25 06.9			+	66.55	
			isP	25					
			iPcP	40					
			i	26 46					
			ePP	27 52					
			PPP	29 05					
		BUD K2 Z	iP	01 25 06.0			+	66.55	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ipP	12					
			sP	18					
			PcP	38					
			ePP	27 17					
			ePPP	29 41					
			S	33 47					
			SSP	34 35					
			eL	38 52					
			F	02 44 29					
		BUD UT Z	iP	01 25 08.0				66.55	
			eL	41 46					
			M	50 35	17	3.93			
			F	03 25 50					
		JOS MK Z	iP	01 25 13.3			+	67.36	
			isP	22					
			iPcP	37					
			i	56					
			PP	27 43					
			PPP	29 36					
1056.	12 13	JOS MK Z	iPKP/F	03 26 27.3			+	145.57	17.80S 178.78W
			iPKP2/A	29					T0=03 07 47.7
			i	45					h=534
			epPKP/F	28 31					Mb=5.3
			epPKP/A	45					
		SOP MK Z	iPKP/F	03 26 32.3	0.9	0.06	+	147.61	
			PKP2/A	35					
		SOP K Z	PKP/F	03 26 33				147.61	
			PKP2/A	38					
1057.	12 13	JOS MK Z	i	08 25 36.3			+		
			i	38					
			i	43					
1058.	12 13	JOS MK Z	i	11 22 20					EXP?
			L	23					
			F	23 36					
1059.	12 13	JOS MK Z	i	11 30 45			-		
			i	51					
			i	56					
1060.	12 14	BUD K N	eP	03 13 04				88.15	33.79S 58.03E
			esP	24					T0=03 00 14.6
									h= 33
									Mb=5.6 Ms=4.7
		BUD K E	eP	03 13 04					
			pP	18					
		BUD MK Z	iP	03 13 03.0	0.7	0.01	-	88.15	
			pP	16					
			esP	27					
		SOP MK Z	iP	03 13 08.2	1.0	0.09	-	89.22	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			pP	10					
			sP	27					
		SOP K Z	P	03 13 08				89.22	
			i	12					
			pP	18					
			isP	30					
			ePP	16 52					
1061.	12 14	JOS MK Z	P	09 00 34			-	92.17	10.00N 125.29E
			i	47					T0=08 47 51.8
			ipP	01 01					h=223
			isP	49					Mb=5.3
			PP	04 38					
			PPP	07 01					
1062.	12 14	JOS MK Z	PKP/F	10 38 08				145.04	15.31S 173.14W
			ipPKP/F	15					T0=10 18 33.2
			ipPKP/A	24					h= 33
									Mb=5.0
1063.	12 14	JOS MK Z	e	11 16 18					EXP?
			L	25					
			F	17 04					
1064.	12 14	JOS MK Z	e	11 58 52					EXP?
			L	58					
			F	59 32					
1065.	12 14	JOS MK Z	i	12 38 50			-		
			L	53					
			F	39 59					
1066.	12 14	BUD MK Z	P	15 42 44				86.70	37.13N 116.08W
			ipP	46					T0=15 30 00.2
			sP	57					h= 0
			i	43 07					Mb=5.7
									EXP.
		JOS MK Z	iP	15 42 43.8			+	86.42	
			epP	50					
			sP	43 00					
			PP	46 08					
		SOP MK Z	iP	15 42 40.6	1.3	0.10	+	85.56	
			epP	49					
			esP	58					
		SOP K Z	iP	15 42 41.6			-	85.56	
			pP	51					
			sP	59					
1067.	12 14	BUD K N	i	19 11 43				149.85	21.10S 179.14W
									T0=18 52 34.9
									h=659
									Mb=5.6

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		BUD K E	PKP/F	19 11 13					
		BUD K Z	PKP/F	19 11 13					
			ePKP2/A	31					
		BUD MK Z	iPKP/F	19 11 14.0	0.9	0.10	-	149.85	
			i	17					
			iPKP2/A	33					
			pPKP/F	13 45					
			isPKP/F	14 52					
			isPKP/A	56					
		JOS MK Z	PKP/F	19 11 06			+	148.43	
			i	11					
			iPKP2/A	25					
		SOP MK Z	iPKP/F	19 11 15.4			-	150.60	
			i	19					
			iPKP2/A	30					
		SOP K Z	iPKP	19 11 14.4			-	150.60	
			i	23					
			PKP2/A	39					
1068.	12 15	JOS MK Z	eP	08 09 20				13.76	34.86N 23.20E
			sP	32					T0=08 06 13.8
			PPP	48					h= 60
									M=4.5
									CSEM
1069.	12 15	JOS MK Z	eP	15 12 01				17.75	43.57N 45.15E
			isP	13					T0=15 07 52.5
			iPP	21					h= 10
			iPPP	37					M=5.0
			PcP	16 34					CSEM
		SOP MK Z	eP	15 12 41				20.39	
			esP	50					
			ePP	13 05					
			ePPP	30					
1070.	12 15	JOS MK Z	PKP/F	16 10 56				151.97	23.40S 175.31W
			pPKP/F	11 04					T0=15 51 00.9
			iPKP2/A	12					h= 33
			epPKP/A	29					Mb=4.9
1071.	12 15	JOS MK Z	P	23 30 20				54.50	4.76S 34.91E
			pP	25					T0=23 20 53.6
			iPcP	31 27					h= 33
			ePP	32 40					Mb=4.8 Ms=5.6
			i	33 01					
			PPP	40					
		SOP MK Z	P	23 30 25			-	54.66	
			pP	33					
		SOP K Z	eP	23 30 27				54.66	
			epP	38					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
1072.	12 16	JOS MK Z	ePn	00 41 41				3.95	45.90N 16.16E
			P$	50					T0=00 40 40.0
			Pg	56					h= 5
			i	42 12					M=3.1
			Sn	25					CSEM
			iS$	50					
			iSg	43 00					
		SOP MK Z	iPn	00 41 10.1			+	1.00	
			Sn	28					
			Sg	40					
			i	50					
		SOP K Z	iPg	00 41 18.1				1.00	
			i	42 48					
1073.	12 16	JOS MK Z	P	07 23 33			+	77.15	43.23N 146.76E
			ipP	39					T0=07 11 41.6
			sP	46					h= 38
			i	24 00					Mb=5.4 Ms=4.6
			ePP	28 01					
1074.	12 16	JOS MK Z	P	07 40 10			-	11.19	38.45N 27.36E
			sP	22					T0=07 37 32.3
			iPPP	41					h= 36
			i	41 06					M=5.7
			iS	42 29					
			iSS	45					
			iSSS	43 01					
			ePcP	45 23					
		SOP K Z	P	07 40 22				12.13	
			isP	36					
			PPP	48					
			eS	42 23					
			SS	43 13					
			SSS	41					
			eL	45 23					
			M	51					
			F	00 00 07					
1075.	12 16	JOS MK Z	P	09 20 35				74.25	51.63N 159.46E
			epP	43					T0=09 00 59.7
			sP	49					h= 33
			ePcP	21 05					Mb=4.7 Ms=4.3
1076.	12 16	JOS MK Z	e	09 33 36					EXP?
			L	42					
			F	34 39					
1077.	12 16	JOS MK Z	iP	15 22 34.6			+	80.00	36.61N 140.90E
			ipP	42					T0=15 10 28.0
			sP	49					h= 46
			i	23 01					Mb=5.6 Ms=5.4
			PP	25 54					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePPP	27 18					
1078.	12 17	BUD MK Z	P	11 44 33				80.36	52.23N 170.09W
			ePcP	40					T0=11 32 24.4
									h= 44
									Mb=5.0 Ms=5.1
		JOS MK Z	P	11 44 26			-	79.24	
			iPcP	35					
			isP	41					
			i	56					
1079.	12 17	JOS MK Z	iPKP/F	16 21 40.9			-	148.52	21.04S 178.78W
			i	44					T0=16 03 00.3
			PKP2/A	49					h=602
			pPKP/F	56					Mb=5.1
			pPKP/A	24 12					
1080.	12 17	JOS MK Z	ePKP/F	16 27 37				152.08	23.72S 175.82W
			PKP2/A	45					T0=16 07 50.0
			pPKP/F	28 00					h=115
									Mb=5.1
1081.	12 17	JOS MK Z	P	17 39 31			-	79.26	52.21N 170.02W
			PcP	37					T0=17 27 27.5
			esP	54					h= 40
			ePP	42 30					Mb=5.3 Ms=5.5
1082.	12 17	JOS MK Z	eP	00 05 51				43.33	13.12N 50.94E
			pP	06 05					T0=23 57 54.9
			esP	28					h= 33
			ePP	07 44					Mb=5.0 Ms=4.8
			PcP	57					
			PPP	08 02					
1083.	12 18	JOS MK Z	ePn	00 31 26				7.60	40.92N 21.42E
			i	35					T0=00 29 35.3
			iP*	44					h= 10
			Pg	57					M=4.0
			Sn	32 56					CSEM
			Sg	33 05					
1084.	12 18	BUD K N	esP	16 55 52				41.98	39.86N 77.33E
			i	58 14					T0=16 47 17.1
			eL	17 05 15					h= 33
			M	13 13	14.8	5.23			Mb=5.3 Ms=5.8
			F	40 37					
		BUD K E	iPP	16 57 00					
			ePcP	30					
			PPP	52					
		BUD UT Z	P	16 55 07.6				41.98	

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			PP	56 46					
			eL	17 04 40					
			M	14 34	14.0	8.18			
			F	43 00					
		JOS MK Z	P	16 54 57			+	40.79	
			pP	55 05					
			isP	10					
			i	35					
			iPP	56 46					
			PcP	57					
			iPPP	57 06					
			eS	17 00 56					
		SOP K Z	P	16 55 21			-	43.56	
			pP	20					
			sP	40					
			PcP	57 10					
			iPP	36					
			PPP	58 10					
			eSSP	17 02 10					
			eSS	04 05					
			M	16 32					
			F	52 36					
1085.	12 19	BUD MK Z	P	11 04 49				00.81	51.19N 176.43W
			ipP	52					T0=10 52 38.9
			i	05 56					h= 53
									Mb=5.1
1086.	12 19	JOS MK Z	i	15 03 31					EXP?
			L	34					
			F	04 22					
1087.	12 19	BUD MK Z	P	23 41 00			+	32.97	30.96N 56.44E
			ipP	14					T0=23 34 39.0
			isP	33					h= 56
			iPP	42 20					M=6.1
			PPP	53					CSEM
			i	43 07					
			iPcP	44 04					
			eS	46 10					
		BUD UT Z	S	23 46 22				32.97	
			eL	48 29					
			M	00 01 11	14.0	2.97			
			F	35 25					
		JOS MK Z	iP	23 41 03			+	32.31	
			ipP	10					
			isP	19					
			ePP	42 00					
			iPPP	20					
			iPcP	43 55					
			sS	46 33					
			SSS	49 03					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		SOP K Z	iP	23 41 21.7			-	34.63	
			i	30					
			ipP	36					
			isP	42					
			PP	42 50					
			PcP	44 12					
1088.	12 20	BUD K N	eP	09 02 12				76.30	48.59N 153.01E
			PcP	17					T0=08 50 38.2
									h=140
									Mb=5.8
		BUD K E	ipP	09 02 57					
			sP	03 06					
		BUD K Z	eP	09 02 12					
			PcP	17					
		BUD MK Z	iP	09 02 13.9	1.3	0.44	+	76.30	
			iPcP	24					
			i	34					
			pP	52					
			isP	03 15					
			ePP	04 54					
		JOS MK Z	P	09 02 03				74.92	
			iPcP	09					
			i	18					
			ipP	35					
			sP	57					
			i	03 45					
			PP	05 33					
			ePPP	06 42					
		SOP K Z	iP	09 02 16.7			-	76.93	
			PcP	24					
			pP	40					
			isP	03 00					
1089.	12 20	JOS MK Z	P	10 06 15				87.94	4.43S 102.47E
			i	32					T0=09 53 35.6
			pP	45					h=105
			sP	07 00					Mb=5.1
1090.	12 21	BUD K N	sP	01 13 53				91.64	25.51N 143.11E
			eL	40 41					T0=01 00 32.8
			M	02 00 12	15.8	25.82			h= 33
			F	03 38 33					Mb=6.2 Ms=6.8
		BUD K E	ipP	01 13 48					
			iPPP	19 34					
			F	03 37 33					
		BUD K Z	iP	01 13 39.4			-		
			iPP	17 27					
			eL	38 42					
			M	02 00 23	15.2	45.33			

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	03 42 48					
		BUD MK Z	P	01 13 38			-	91.64	
			pP	45					
			isP	52					
			i	14 51					
			PP	17 18					
			PPP	19 08					
		BUD K2 Z	iP	01 13 37.3	4.0	9.22	-	91.64	
			pP	45					
			sP	56					
			i	14 12					
			PP	17 24					
			PPP	19 08					
			S	24 41					
			iPS	25 46					
			eL	48 26					
			M	02 00 13	16.0	70.0			
		BUD UT Z	P	01 13 35			-	91.64	
			i	38					
			PP	17 10					
			eSKS	23 49					
			PS	25 31					
			PPS	26 12					
			SSS	34 09					
			eL	35 49					
			M	02 00 05	16.4	22.62			
			F	04 10 24					
		JOS MK Z	P	01 13 31			-	90.21	
			ipP	34					
			isP	45					
			i	14 14					
			iPP	17 24					
			PPP	19 24					
		SOP K Z	eP	01 13 44				92.75	
			ipP	14 00					
			isP	14					
			iPP	17 25					
			eSKS	24 06					
			eL	51 06					
			M	59 38					
			F	03 51 23					
1091.	12 21	JOS MK Z	eP	05 06 40				80.29	30.84N 132.32E
			epP	47					T0=04 54 31.3
			esP	55					h= 33
									Mb=5.2
1092.	12 21	JOS MK Z	iPKP/F	05 27 26.8			+	146.00	18.17S 178.55W
			PKP2/A	33					T0=05 00 54.4
			i	39					h=606
									Mb=4.9

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
1093.	12 21	JOS MK Z	iP	08 35 02.7			-	20.29	41.95N 47.91E
			isP	07					T0=08 30 46.3
			iPP	24					h= 33
			PPP	42					Mb=4.7
1094.	12 21	JOS MK Z	e	11 14 32			+		EXP?
			L	38					
			F	16 22					
1095.	12 21	JOS MK Z	P	16 51 01			+	73.19	52.92N 159.80E
			ipP	07					T0=16 39 33.0
			isP	13					h= 33
			ePcP	32					Mb=5.5 Ms=5.0
			ePP	53 05					
		SOP MK Z	iP	16 51 12.5	1.1	0.05	+	74.99	
			pP	16					
			esP	31					
1096.	12 22	BUD K N	sP	04 58 06				80.19	29.55N 127.81E
			PP	05 02 35					T0=04 45 14.7
			eL	29 12					h= 33
			M	34 21	13.2	6.01			Mb=5.5 Ms=5.3
			F	06 10 27					
		BUD K E	pP	04 57 48					
			isS	05 07 59					
			eL	32 46					
			F	06 15 45					
		BUD K Z	eP	04 57 44					
			eL	05 31 52					
			M	35 45	16.2	16.04			
			F	06 08 37					
		BUD MK Z	eP	04 57 23				80.19	
			epP	29					
			sP	58 03					
			ePP	05 00 31					
		JOS MK Z	P	04 57 15			-	78.79	
			pP	21					
			sP	37					
			i	52					
			iPP	05 00 20					
			ePPP	59					
1097.	12 22	BUD UT Z	eL	05 25 41					
			M	35 49	18.0	61.76			
			F	06 17 25					
1098.	12 22	JOS MK Z	i	10 20 37					EXP?
			L	41					
			F	22 18					
1099.	12 22	JOS MK Z	i	10 40 22					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			e	31					
			i	42					
1100.	12 22	JOS MK Z	e	11 49 51					EXP?
			L	54					
			F	51 06					
1101.	12 22	JOS MK Z	e	12 32 32					EXP?
			L	39					
			F	33 16					
1102.	12 22	BUD MK Z	iP	13 42 35.9			-	87.77	34.41S 55.29E
			ipP	44					T0=13 29 49.4
			sP	56					h= 33
			ePP	45 22					Mb=5.7 Ms=5.1
		BUD K2 Z	P	13 42 35				87.77	
			sP	52					
		JOS MK Z	iP	13 42 37.9			-	88.17	
			ipP	43					
			sP	43 00					
			i	12					
			PP	45 56					
		SOP K Z	P	13 42 40				88.78	
			pP	47					
			sP	54					
			PP	46 28					
			PPP	48 05					
1103.	12 22	BUD MK Z	P	14 17 23				74.53	52.95N 159.90E
			pP	30					T0=14 05 45.1
									h= 33
									Mb=4.9
1104.	12 22	BUD K2 Z	e	23 07 22					
			eL	09 05					
			F	16 23					
		BUD UT Z	eL	23 03 05					
			M	09 40	14.4	2.02			
			F	25 30					
1105.	12 23	JOS MK Z	Pn	07 33 59				9.20	44.18N 32.80E
			iPP	34 11					T0=07 31 44.2
			iPPP	15					h= 10
			P#	34					Mb=4.4
			ePg	43					
			i	35 00					
			iSS	58					
			Sg	36 48					
1106.	12 23	BUD MK Z	pP	11 21 26				26.30	72.18N 0.00W
			ePPP	22 20					T0=11 15 44.8

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
									h= 10
									M=5.2
									CSEM
		BUD UT Z	eS	11 25 48				26.30	
			eL	29 16					
			F	41 15					
		JOS MK Z	P	11 21 13			+	25.56	
			ipP	20					
			sP	27					
			i	45					
			iPP	52					
			PPP	22 13					
1107.	12 23	JOS MK Z	i	12 33 31					EXP?
			L	40					
			F	34 43					
1108.	12 23	BUD K N	epP	21 14 24				80.45	39.13N 143.16E
			i	54					T0=21 02 07.5
			SP	25 18					h= 19
			PS	26 41					Mb=5.6 Ms=5.9
			eL	46 18					
			M	22 06 18	15.4	23.46			
			F	23 20 53					
		BUD K Z	P	21 14 21			+		
			isP	31					
			i	54					
			iPP	17 42					
			iPPP	19 21					
			eL	47 21					
			M	22 06 13	15.0	49.75			
			F	00 09 38					
		BUD MK Z	eP	21 14 20				80.45	
			pP	27					
			sP	42					
			i	50					
			PP	17 30					
			ePPP	19 31					
		BUD UT Z	P	21 14 22				80.45	
			SS	29 18					
			eL	46 10					
			M	54 00	15.0	30.63			
		JOS MK Z	P	21 14 12			+	79.02	
			ePcP	25					
			esP	39					
			ePP	17 16					
			PPP	18 52					
		SOP K Z	iP	21 14 24.7			+	81.38	
			pP	32					
			isP	41					
			i	15 12					
			PP	17 33					
			iPPP	19 31					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SS	29 21					
			eL	47 47					
			M	22 07 47					
			F	23 15 14					
1109.	12 23	BUD MK Z	P	21 21 33			+	80.42	39.14N 143.10E
			pP	40					T0=21 09 21.7
			sP	58					h= 23
									Mb=5.4
		JOS MK Z	eP	21 21 25				78.98	
			pP	30					
			esP	51					
			i	59					
			PP	24 39					
1110.	12 23	BUD MK Z	P	21 26 36				80.46	39.06N 143.04E
			ipP	43					T0=21 14 26.7
			sP	54					h= 41
			i	27 11					Mb=5.4 Ms=6.0
			PP	29 43					
		JOS MK Z	P	21 26 27				79.02	
			epP	31					
			isP	39					
			i	27 10					
			iPP	29 44					
		SOP K Z	P	21 26 38				81.38	
			ipP	49					
			i	27 06					
1111.	12 23	JOS MK Z	P	22 22 38			+	79.22	39.01N 143.40E
			sP	52					T0=22 10 36.4
			PP	25 44					h= 32
									Mb=5.1
1112.	12 24	JOS MK Z	ePKP2/A	16 08 31				153.11	24.94S 176.02W
			i	40					T0=15 48 32.2
			epPKP/A	44					h= 33
									Mb=4.8 Ms=5.2
1113.	12 25	SOP MK Z	iPn	02 13 05.5			-	7.74	40.38N 12.95E
			i	07					T0=02 11 12.5
			e	14					h=485
			P‡	26					M=4.9
			ePg	34					CSEM
1114.	12 25	BUD MK Z	PKP/F	04 44 59			+	145.99	22.02S 170.90E
			PKP2/A	45 05					T0=04 25 27.7
			epPKP/F	18					h= 76
			epPKP/A	29					Mb=5.0
			esPKP/A	43					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
		JOS MK I	PKP/F	04 44 54			+	144.56	
			PKP2/A	58					
			i	45 05					
			pPKP/A	25					
			sPKP/A	38					
1115.	12 25	SOP MK I	epPKP	08 42 19				110.21	7.31S 128.67E
			esPKP	24					T0=08 23 22.8
									h= 10
									Mb=5.4
1116.	12 25	BUD MK I	P	16 26 15			+	38.07	38.92N 70.79E
			ipP	23					T0=16 18 54.7
			sP	39					h= 33
			PP	27 44					Mb=5.3 Ms=4.7
			ePPP	56					
			PcP	28 20					
		JOS MK I	P	16 26 05			-	36.96	
			pP	21					
			sP	38					
			i	27 22					
			iPP	40					
			PPP	59					
			ePcP	28 29					
			eS	31 54					
			sS	32 09					
			eSS	34 45					
			iSSS	35 38					
			ScS	36 13					
1117.	12 25	JOS MK I	eP	18 32 27				79.12	39.13N 143.38E
			sP	47					T0=18 20 21.6
									h= 18
									Mb=5.0
1118.	12 25	JOS MK I	eP	22 45 51				79.25	24.17N 121.69E
			PcP	46 04					T0=22 33 48.1
			esP	14					h= 40
			PP	48 47					Mb=5.2 Ms=4.7
1119.	12 26	JOS MK I	ePKP/F	01 17 13				152.83	24.58S 175.90W
			pPKP/F	21					T0=00 57 07.4
			epPKP/A	48					h= 33
									Mb=4.6 Ms=5.0
1120.	12 26	JOS MK I	P	06 58 31				98.85	2.50N 126.82E
			sP	59 00					T0=06 44 52.4
									h= 36
									Mb=5.5 Ms=4.1

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
1121.	12 26	JOS MK Z	P	09 52 12			+	87.56	14.70N 123.63E
			pP	22					T0=09 39 26.1
			esP	37					h= 33
			i	56					Mb=5.3 Ms=4.3
1122.	12 27	JOS MK Z	ePKP2/A	01 48 30				156.71	29.05S 176.16W
			epPKP/A	48					T0=01 28 14.7
			sPKP/A	49 02					h= 95
									Mb=4.4
1123.	12 27	JOS MK Z	iPKP/F	11 56 59.1			+	145.79	17.97S 178.63W
			iPKP2/A	57 05					T0=11 38 21.3
			i	38					h=555
			ipPKP/F	59 09					Mb=5.3
			pPKP/A	25					
			esPKP/F	48					
			esPKP/A	12 00 28					
1124.	12 27	JOS MK Z	e	12 33 42					EXP?
			i	45					
			L	48					
			F	34 39					
1125.	12 27	JOS MK Z	e	15 21 00					
			i	10					
			i	36					
1126.	12 28	BUD K N	ipP	02 52 38				35.64	16.39N 40.33E
			iPP	53 50					T0=02 45 33.7
			iS	58 10					h= 10
			iSS	59 54					M=6.6
			eL	03 02 10					CSEM
			F	05 14 15					
		BUD K E	iPPP	02 54 05			-		
			iPcP	55 10					
			eL	03 01 54					
			F	05 14 37					
		BUD K Z	iP	02 52 33.2					
			isP	45					
			isS	58 21					
			eL	03 01 54					
			F	05 14 37					
		BUD MK Z	eP	02 52 32				35.64	
			i	37					
			ipP	49					
			isP	56					
			PP	53 55					
			iPPP	54 30					
			PcP	55 05					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			esS	58 13					
			eSS	03 00 22					
			eSSS	56					
		BUD K2 Z	P	02 52 33			-	35.64	
			ipP	43					
			isP	45					
			i	55					
			PP	53 50					
			ePcP	54 55					
			S	58 06					
			isS	22					
			eSS	03 00 23					
			eL	01 07					
			M	17 23	12.4	29.41			
			F	04 51 28					
		BUD UT Z	P	02 52 34				35.64	
			esP	53 18					
			ePP	51					
			ePPP	54 30					
			eL	57 30					
			F	06 35 30					
		JOS MK Z	P	02 52 33			-	35.88	
			ipP	39					
			isP	48					
			i	53 09					
			iPP	54 02					
			iPcP	34					
			iS	57 35					
			esS	58 14					
		SOP K Z	iP	02 52 41.4			-	36.84	
			ipP	51					
			isP	53 04					
			i	10					
			iPP	54 16					
			PcP	46					
			S	58 26					
			isS	49					
			SS	03 01 04					
			ScS	02 50					
			M	26 21					
			F	05 19 12					
1127.	12 28	JOS MK Z	i	11 05 17.0			+		
			i	21					
			i	23					
1128.	12 28	JOS MK Z	eP	11 19 04				25.28	72.46N 3.35E
			pP	16					T0=11 13 39.0
			sP	26					h= 33
			ePP	52					Mb=4.5
1129.	12 28	JOS MK Z	e	11 38 08			+		

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	53					
			e	39 12					
1130.	12 28	BUD K N	eP	20 38 14				26.37	64.72N 18.09W
			sP	38					T0=20 32 40.1
			iPP	53					h= 10
			eL	42 59					M=5.4
			M	43 17	6.2	1.91			CSEM
			F	21 06 27					
		BUD K E	P	20 38 17					
			iPPP	39 06					
			PcP	41 41					
			eL	42 59					
			M	43 17	7.2	2.76			
			F	21 11 31					
		BUD K Z	P	20 38 17					
			eL	43 48					
			M	44 17	5.4	1.42			
			F	21 06 27					
		BUD MK Z	P	20 38 18			+	26.37	
			pP	29					
			esP	37					
			ePP	49					
		BUD K2 Z	P	20 38 13				26.37	
			sP	35					
			PP	50					
			ePPP	39 30					
			PcP	41 40					
			eSS	43 45					
			eSSS	44 45					
			eL	49 16					
			F	57 20					
		BUD UT Z	eP	20 38 08				26.37	
			ePPP	39 28					
			sS	43 11					
			eSS	44 59					
			eL	45 50					
			F	21 03 23					
		JOS MK Z	P	20 38 14			-	26.17	
			ipP	17					
			isP	22					
			iPP	39 01					
			iPPP	20					
			PcP	41 24					
		SOP MK Z	eP	20 38 06				25.25	
			epP	18					
			esP	32					
			ePPP	39 14					
		SOP K Z	iP	20 38 05.4			-	25.25	
			sP	20					
			i	28					
			PP	47					
			PPP	39 15					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			ePcP	41 27					
			isS	42 48					
			iSS	43 39					
			SSS	44 12					
			eL	47 34					
			F	21 04 09					
1131.	12 29	JOS MK Z	i	01 00 17					
			i	35					
			i	40					
1132.	12 29	JOS MK Z	PKP/F	10 39 17			+	147.41	18.03S 173.91W
			PKP2/A	38					T0=10 19 42.1
			pPKP/A	48					h= 98
			sPKP/F	40 02					Mb=5.2
			sPKP/A	14					
1133.	12 29	JOS MK Z	i	11 30 51					
			i	58					
			i	31 00					
1134.	12 29	JOS MK Z	P	11 59 23			+	48.93	0.01N 29.68E
			pP	38					T0=11 50 38.0
			isP	45					h= 33
			i	49					Mb=4.8 Ms=5.4
			PcP	12 00 36					
			ePP	01 30					
			ePPP	02 19					
1135.	12 29	BUD K N	ePn	16 55 27				9.25	38.55N 22.35E
			PPP	42					T0=16 52 59.9
			S$	57 45					h= 10
			eL	58 48					M=4.9
			M	59 19	9.4	2.0			CSEM
			F	17 10 34					
		BUD K E	Pg	16 56 04					
			eL	58 23					
			M	17 00 23	9.4	2.05			
			F	12 44					
		BUD K Z	ePP	16 55 39					
			eP$	56 11					
			Sn	57 20					
			Sg	58 15					
			eL	49					
			M	59 16	9.8	2.19			
			F	17 11 35					
		BUD MK Z	ePn	16 55 14				9.25	
			ePP	20					
			PPP	29					
			iP$	44					
			Pg	56 04					
			i	48					
			Sn	57 04					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			SSS	23					
			eS$	43					
			eSg	58 12					
		BUD UT Z	eSg	16 58 07				9.25	
			eL	17 00 41					
			F	18 12					
		JOS MK Z	Pn	16 55 29				10.02	
			iPP	36					
			i	42					
			iP$	56 04					
			Pg	17					
			Sn	57 25					
			iSS	30					
			iSSS	47					
			iSg	58 24					
		SOP MK Z	ePn	16 55 29				10.05	
			PP	36					
			PPP	41					
			P$	56 00					
			Pg	19					
			eSn	57 26					
		SOP K Z	ePn	16 55 23				10.05	
			SS	57 30					
			S$	49					
			Sg	58 26					
			i	59 43					
			eL	17 00 27					
			F	12 00					
1136.	12 29	BUD MK Z	P	19 57 16			-	86.75	28.52N 138.36E
			pP	59 13					T0=19 45 27.4
			esP	20 00 15					h=529
									Mb=5.2
		JOS MK Z	P	19 57 099			+	85.82	
			i	15					
			pP	59 09					
			esP	39					
1137.	12 30	BUD K N	iPn	17 37 00.0	3.6	7.82	-	7.92	39.99N 15.44E
			i	09					T0=17 35 10.5
			iPg	48					h=288
			eL	38 23					M=6.7
			M	40 25	10.0	11.0			CSEM
			F	56 17					
		BUD K E	iPn	17 37 00.0			-		
			iP$	23					
			eL	38 19					
			F	55 32					
		BUD K Z	iPn	17 37 00.0			+		
			i	09					
			eL	38 06					
			M	40 16	8.6	6.66			

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			F	55 44					
		BUD MK Z	iPn	17 37 01.9			+	7.92	
			i	09					
			iP$	33					
			i	56					
			i	38 42					
			iS$	39 14					
		BUD K2 Z	iPn	17 37 00.9	4.4	15.46	+	7.92	
			i	07					
			i	14					
			iP$	28					
			Pg	39					
			iSn	38 30					
			Sg	39 27					
			i	41 21					
			eL	44 49					
			F	55 14					
		BUD UT Z	iPn	17 37 01.9			-	7.92	
			e	10					
			ePg	47					
			Sn	38 32					
			Sg	39 22					
			i	42 34					
			eL	44 55					
			F	59 15					
1138.									T0= h=
		JOS MK Z	iPn	17 37 17.2			+	9.25	
			iP$	37					
			iPg	38 17					
			i	36					
			iSn	59					
			i	39 19					
			iS$	53					
			iSg	40 14					
		SOP MK Z	iPn	17 36 59.7			+	7.73	
			e	37 07					
			i	14					
			iP$	25					
			iPg	39					
			i	52					
			i	38 41					

No.	Date	Sta.Inst.Com	Phase	Time	Period	Ampl.	Dir	Distance	Remark
			i	50					
			S	39 02					
			Sg	15					
			L	40					
			F	50 15					
		SOP K Z	iPn	17 36 59.7			+	7.73	
			i	37 10					
			iP	22					
			i	50					
			iSn	38 30					
			e	41					
			iSg	39 15					
			L	37					
			M	40 22					
			F	18 02 07					
1139.	12 30	SOP MK Z	iPKP/F	20 27 11.7			+	148.09	18.10S 178.25W
			i	13					T0=20 08 32.2
			ePKP2/A	19					h=620
									Mb=5.0
1140.	12 31	JOS MK Z	P	08 06 59				102.74	15.30S 71.68W
			e	07 11					T0=07 53 18.0
			i	10 19					h=150
			PP	11 49					Mb=5.9
			ePPP	13 48					
		SOP MK Z	P	08 06 39	1.5	0.06	+	99.98	
			epP	07 01					
			sP	38					
		SOP K Z	P	08 06 45				99.98	
			epP	07 31					
			i	10 43					
			PP	11 34					
1141.	12 31	JOS MK Z	e	09 36 51					EXP?
			i	53					
1142.	12 31	JOS MK Z	e	10 08 52					EXP?
			L	56					
			F	09 34					
1143.	12 31	JOS MK Z	PKP	11 12 52			+	144.10	22.12S 169.87E
			pPKP	13 04					T0=10 53 20.9
									h= 45
									Mb=4.2 Ms=4.4
1144.	12 31	JOS MK Z	P	11 53 54				93.75	8.55N 126.03E
			epP	54 02					T0=11 40 40.5
			sP	11					h= 47
									Mb=5.3